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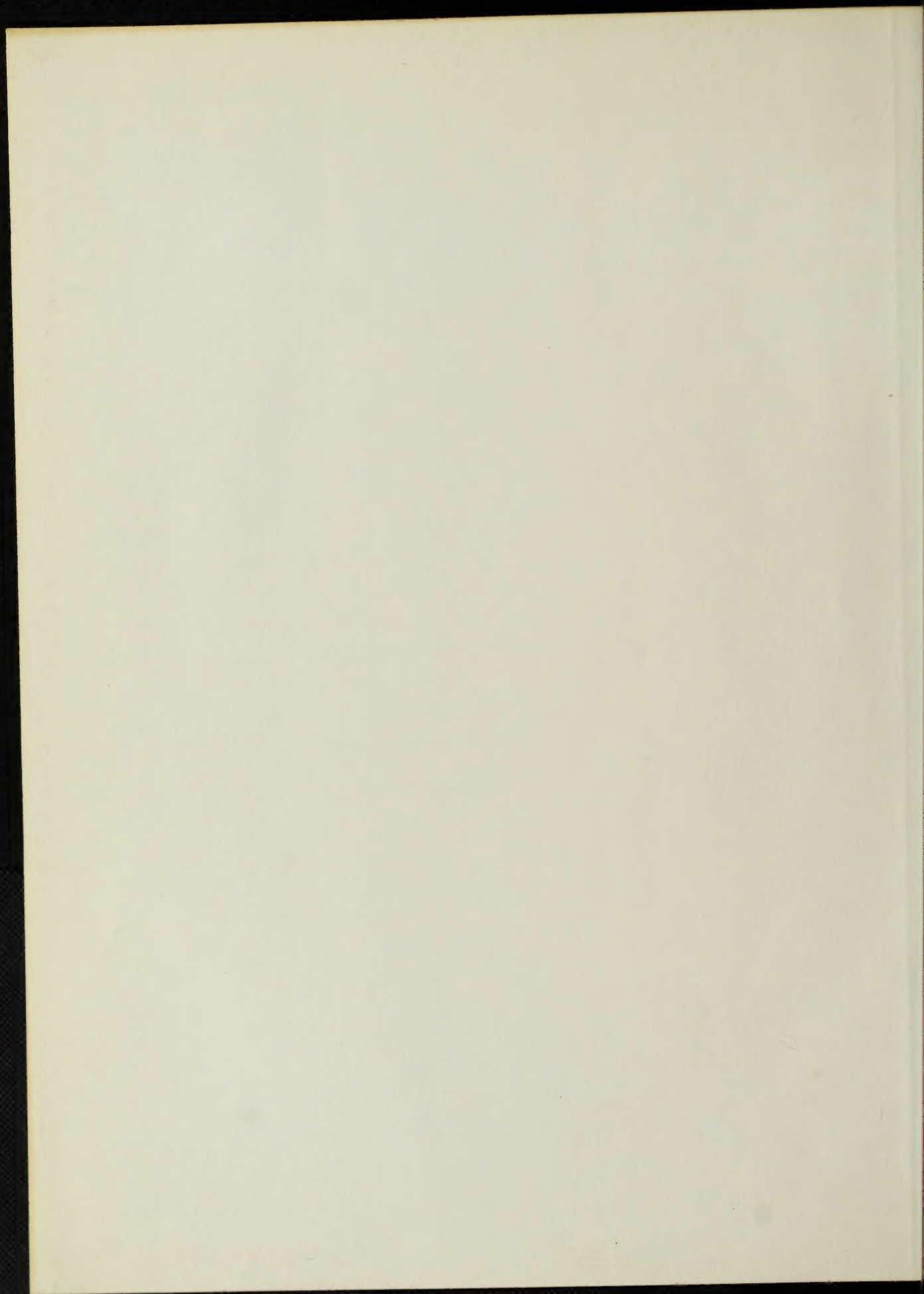
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ENDOCRINOLOGY INDEX

NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES

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U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

Public Health Service

National Institutes of Health

MAY-JUNE 1971
VOLUME 4, NO. 3

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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Use of funds for printing this publication
approved by the Director of the Bureau of
the Budget on October 7, 1968.

ENDOCRINOLOGY INDEX

National Institute of Arthritis
and Metabolic Diseases

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ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS) and were printed from film composed by Graphic Arts Composing Equipment (GRACE), MEDLARS' high-speed phototypesetter.

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis and Metabolic Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

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PITUITARY

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PITUITARY

DWARFISM

CONGENITAL

Progressive hydronephrosis, hydroureter, and dilatation of the bladder in siblings with congenital nephrogenic diabetes insipidus. Ten Benschel RW, et al. *J Pediatr* 77:439-43, Sep 70

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An epidemic of "polyuria and polydipsia syndrome". Epidemiology of 'Poona disease'. Deodhar NS, et al. *Indian J Med Sci* 24:826-33, Oct 70
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PHYSIOPATHOLOGY

[Functional state of cardiovascular system in children with growth disorders of various origins] Anushchuk VP, et al. *Pediatr Akush Ginekol* 4:15-7, Jul-Aug 70 (Ukr)

RADIOGRAPHY

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URINE

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Glucose and lipid homeostasis in the absence of human growth hormone. Merimee TJ, et al. *J Clin Invest* 50:574-82, Mar 71
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THYROID

III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

DEXTHROTHYROXINE

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URINE

- [Effect of 6-dehydro-16-methylene hydrocortisone dexamethasone and fluocinolone on cortisol secretion and glucose tolerance in man] Schöning G von, et al.
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ETIOCHOLANOLONE

BIOSYNTHESIS

- In vivo conversion of 4-14C progesterone to androsterone and etiocholanolone in man. Goldzieher JW, et al. *Steroids* 17:209-17, Feb 71

BLOOD

- Studies of androgens and their precursors in adrenocortical virilizing carcinoma. Saez JM, et al.
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FLUDROCORTISONE

PHARMACODYNAMICS

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FLUMETHASONE

PHARMACODYNAMICS

- Corticosteroid induced changes in plasma amino acids and thyroid activity in dairy cows treated early or late during lactation. Stöckl W, et al.
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THERAPEUTIC USE

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FLUOCINOLONE ACETONIDE

ANALYSIS

- Studies on the distribution of radioisotopes by whole body autoradiography. XXII. Fate of 14C-fluocinolone

FLUOCINOLONE

ADRENAL

acetone in mice. Takahashi T, et al.
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METABOLISM

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Studies on the distribution of radioisotopes by whole body autoradiography. XXII. Fate of ¹⁴C-fluocinolone acetone in mice. Takahashi T, et al.
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FLUOROMETHOLONE

CHEMICAL SYNTHESIS

The selective hydrogenation of the delta double bond in 6-alpha-methyl-delta-3-keto steroids. Tiffany BD, et al. Ann NY Acad Sci 172:253-60, 30 Oct 70

FLUPREDNISOLONE

ADMINISTRATION & DOSAGE

Therapeutic experiences with 6-alpha-fluoroprednisolone in dermatology, especially in dermatitis perioralis] Walther H.
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Accelerated appearance of pulmonary surfactant in the fetal rabbit. Kotas RV, et al.
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ADMINISTRATION & DOSAGE

Clinical use of the Drenison (flurandrenolone) tape] Imamura S, et al.
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Studies on hyperkalemic periodic paralysis. Evidence of changes in plasma Na and Cl and induction of paralysis by adrenal glucocorticoids. Streeten DH, et al. J Clin Invest 50:142-55, Jan 71
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ADMINISTRATION & DOSAGE

Comparison of effects of corticotrophin and corticosteroids on pituitary-adrenal function. Carter ME, et al. Ann Rheum Dis 30:91-7, Jan 71
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keratitis. Effect in rabbits. Takahashi GH, et al.
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ADMINISTRATION & DOSAGE

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ADRENAL

IV. Related Topics

AMINOGLUTETHIMIDE

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SERTOLI CELL TUMOR

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Extra posterior cervical skin. Bean SC, et al.
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111. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

ANABOLIC STEROIDS

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- Some aspects of the interaction between natural and synthetic female sex hormones and the liver.
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- The effect of a new anabolic steroid (29'038-Ba) on the vaginal epithelium of postmenopausal women. Dantas EA. *Acta Cytol (Baltimore)* 14:595-602, Nov-Dec 70
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Metabolism of pregnenolone-4-14C by the testis of *Gobius paganellus* (Teleostei). Colombo L, et al.
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Metabolism of pregnenolone-4-14C by the testis of *Gobius paganellus* (Teleostei). Colombo L, et al.
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GONADS

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[Induction of ovulation by drugs] Schmidt-Elmerdorff H.
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Br Med J 1:200-3, 23 Jan 71
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Indian J Exp Biol 8:326-7, Oct 70

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[1st experiences with Ovoston in new dosage—a comparative study of oral contraception with 'old' and 'new' Ovoston]. "Experiences with Ovoston in contraception. II. "Viewpoint concerning works of Chr. Zwahr and H. Geschke] Kühne D.
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[Comparison of changes in activity of some hemocoagulation factors during contraception and therapy with combinations of synthetic steroids with varied gestagenic components] Mišinger I, et al.
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The distribution of 14C-4-mestranol in mice. Appelgren LE, et al. Acta Pharmacol Toxicol (Kbh) 29:65-74, 1971

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Radioimmunoassay of human thyroxine-binding globulin (TBG). Levy RP, et al.
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- Advanced abdominal pregnancy: three cases with review of the literature. Santos-Dias A. *S Afr Med J* 45:62-7, 16 Jan 71

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The diagnosis of trophoblastic tumours from uterine
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PLACENTA

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- Effects of hormones, methotrexate, and dactinomycin on benign trophoblast. Koide Y, et al. *Am J Obstet Gynecol* 109:453-6, 1 Feb 71
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PARATHYROID AND BONE

1. Physical and Functional Aspects

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PARATHYROID AND BONE

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Influence of the thyroids on the rate of removal of recently deposited radiocalcium and radiophosphorus from bone. Kennedy JW 3d, et al.
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PARATHYROID AND BONE

II. Disorders of the Parathyroid Glands

HYPERPARATHYROIDISM

BLOOD

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HYPERPARATHYROIDISM, SECONDARY

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PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

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*See also page 220.

APPENDIX

PROSTAGLANDINS

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ADVERSE EFFECTS

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CUSHING'S SYNDROME

COMPLICATIONS

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COMPLICATIONS

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GOITER

SURGERY

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GOITER, EXOPHTHALMIC

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ADVERSE EFFECTS

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SURGERY

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Pituitary-adrenal relationships. Espiner EA.
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The XY female. Dewhurst CJ.
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SEX DIFFERENTIATION DISORDERS

The XY female. Dewhurst CJ.
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THYROCALCITONIN

PHARMACODYNAMICS

[Calcitonin--its action and therapeutic application] Syc S. Wiad Lek 23:2193-8, 15 Dec 70 (27 ref.) (Pol)

THERAPEUTIC USE

[Calcitonin--its action and therapeutic application] Syc S. Wiad Lek 23:2193-8, 15 Dec 70 (27 ref.) (Pol)

THYROID GLAND

SECRETION

[Effect of thyroid secretion on the morphological structure of the small intestine and on the process of intestinal absorption] Książkiewicz-Szapiro MD.
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THYROID HORMONES

PHARMACODYNAMICS

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THYROXINE

METABOLISM

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ACTIVATION ANALYSIS

Quantitative determination of thyroid-hormone-iodine in blood serum by neutron activation analysis] Schmölzer G, et al.
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*ACTIVATION ANALYSIS/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
ION EXCHANGE/ ENGLISH ABSTRACT/
HUMAN/ IODINE ISOTOPES/ METHODS/
*THYROID HORMONES, blood

ASCORBIC ACID

ANALYSIS

Measuring hormone levels in nonhuman primates.
Blakley GA. Folia Primatol (Basel) 13:298-305, 1970
ANIMAL EXPERIMENTS/ *APES/ ASCORBIC
ACID, analysis/ ASCORBIC ACID, metabolism/
BIOLOGICAL ASSAY/ EOSINOPHILS/
FEMALE/ GONADOTROPINS, analysis/
HUMAN/ *LH, analysis/ LH, urine/
MENSTRUATION/ METHODS/ *MONKEYS/
OVARY, analysis/ OVULATION/ RATS/
VAGINA, cytology/ VAGINAL SMEARS

METABOLISM

An improved technique for the preparation of isolated rat adrenal cells: a sensitive, accurate and specific method for the assay of ACTH. Sayers G, et al.
Endocrinology 88:1063-8, Apr 71
ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, blood supply/
*ADRENAL GLANDS, cytology/ ADRENAL
GLANDS, drug effects/ *ADRENAL GLANDS,
metabolism/ ANGIOTENSIN,
pharmacodynamics/ ANIMAL EXPERIMENTS/
ASCORBIC ACID, metabolism/ *BIOLOGICAL
ASSAY/ CELL COUNT/ *CORTICOSTERONE,
biosynthesis/ *CORTICOTROPIN,
pharmacodynamics/ GLUCAGON,
pharmacodynamics/ IN VITRO/ INSULIN,
pharmacodynamics/ MALE/ METHODS/ MSH,
pharmacodynamics/ OXYTOCIN,
pharmacodynamics/ RADIOIMMUNOASSAY/
RATS/ SERUM ALBUMIN, BOVINE,
pharmacodynamics/ STIMULATION,
CHEMICAL/ TRYPSIN/ VASOPRESSIN,
pharmacodynamics/ VEINS

Measuring hormone levels in nonhuman primates.
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ANIMAL EXPERIMENTS/ *APES/ ASCORBIC
ACID, analysis/ ASCORBIC ACID, metabolism/
BIOLOGICAL ASSAY/ EOSINOPHILS/
FEMALE/ GONADOTROPINS, analysis/
HUMAN/ *LH, analysis/ LH, urine/
MENSTRUATION/ METHODS/ *MONKEYS/
OVARY, analysis/ OVULATION/ RATS/
VAGINA, cytology/ VAGINAL SMEARS

AUTOANALYSIS

Determination of free catecholamines in urine]
Visser H.
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ALUMINUM/ AUTOANALYSIS/ CARBON
ISOTOPES/ *CATECHOLAMINES, urine/

CHEMISTRY, CLINICAL/ DOPAMINE, urine/
ENGLISH ABSTRACT/ *EPINEPHRINE, urine/
HUMAN/ HYDROGEN-ION CONCENTRATION/
METHODS/ *NOREPINEPHRINE, urine/
OXIDES/ PHEOCHROMOCYTOMA, urine/
VANILMANDELIC ACID, urine

BIOLOGICAL ASSAY

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ASSAY/ CHROMATOGRAPHY, ION
EXCHANGE/ FEMALE/ HUMAN/
INJECTIONS, SUBCUTANEOUS/ LACTATION/
METHODS/ OXYTOCIN, isolation &
purification/ *OXYTOCIN, urine/ RATS/
VASOPRESSIN, isolation & purification/
*VASOPRESSIN, urine

Studies on the partial isolation of human renin.
Waldhäusl WK, et al.
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ASSAY/ CALCIUM PHOSPHATES/ CATS/
CELL MEMBRANE/ CELLULOSE/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ CHROMATOGRAPHY, ION
EXCHANGE/ DOGS/ GEL FILTRATION/
GELS/ GLASS/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ ISOELECTRIC FOCUSING/
KIDNEY, enzymology/ METHODS/
MOLECULAR WEIGHT/ PEPTIDES/
RADIOIMMUNOASSAY/ *RENIN, isolation &
purification/ RENIN, standards/ SWINE

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ASSAY/ COMPARATIVE STUDY/ CROP,
AVIAN, drug effects/ ESTRUS/ FSH, analysis/
HYPOPHYSECTOMY/ LH, analysis/
METHODS/ PIGEONS/ *PROLACTIN, blood/
PROLACTIN, isolation & purification/
RABBITS/ *RADIOIMMUNOASSAY/
RADIOIMMUNOASSAY, standards/ RATS/
UNITED STATES NATIONAL INSTITUTES
OF HEALTH

An improved technique for the preparation of isolated rat adrenal cells: a sensitive, accurate and specific method for the assay of ACTH. Sayers G, et al.
Endocrinology 88:1063-8, Apr 71
ADRENAL CORTEX HORMONES, blood/
ADRENAL GLANDS, blood supply/
*ADRENAL GLANDS, cytology/ ADRENAL
GLANDS, drug effects/ *ADRENAL GLANDS,
metabolism/ ANGIOTENSIN,
pharmacodynamics/ ANIMAL EXPERIMENTS/
ASCORBIC ACID, metabolism/ *BIOLOGICAL
ASSAY/ CELL COUNT/ *CORTICOSTERONE,
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pharmacodynamics/ GLUCAGON,
pharmacodynamics/ IN VITRO/ INSULIN,
pharmacodynamics/ MALE/ METHODS/ MSH,
pharmacodynamics/ OXYTOCIN,
pharmacodynamics/ RADIOIMMUNOASSAY/

BIOLOGICAL

METHOD SECTION

RATS/ SERUM ALBUMIN, BOVINE,
pharmacodynamics/ STIMULATION,
CHEMICAL/ TRYPSIN/ VASOPRESSIN,
pharmacodynamics/ VEINS

Luteinizing hormone levels in nonhuman primates.
Blakley GA. *Folia Primatol* (Basel) 13:298-305, 1970

ANIMAL EXPERIMENTS/ *APES/ ASCORBIC
ACID, analysis/ ASCORBIC ACID, metabolism/
BIOLOGICAL ASSAY/ EOSINOPHILS/
FEMALE/ GONADOTROPINS, analysis/
HUMAN/ *LH, analysis/ LH, urine/
MENSTRUATION/ METHODS/ *MONKEYS/
OVARY, analysis/ OVULATION/ RATS/
VAGINA, cytology/ VAGINAL SMEARS

In vitro assay of MSH using skin from the frog *Hyla*
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ASSAY/ CHROMATOGRAPHY/
CHROMATOGRAPHY, ION EXCHANGE/
CORTICOTROPIN, analysis/ *FROGS,
physiology/ IN VITRO/ METHODS/
METHYLCELLULOSE/ *MSH, analysis/
PEPTIDES, analysis/ PITUITARY GLAND,
analysis/ SHARKS/ *SKIN, analysis/
STEREISOISOMERS

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ASSAY/ JUGULAR VEIN/ *LH, blood/
METHODS/ *PITUITARY HORMONE
RELEASING FACTORS, analysis/
RADIOIMMUNOASSAY/ RATS

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analysis/ BIOLOGICAL ASSAY/ ENZYME
TESTS/ HYPERALDOSTERONISM, blood/
HYPERALDOSTERONISM, enzymology/
IODINE ISOTOPES/ METHODS/
RADIOCHEMISTRY/ RADIOIMMUNOASSAY/
*RENIN, blood

Rapid methods for estimating urinary LH,
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function. Kessel H van, et al.

Ned Tijdschr Verloskd Gynaecol 70:408-18, Oct 70
BIOLOGICAL ASSAY/ *ESTROGENS, urine/
FEMALE/ HUMAN/ *LH, urine/ METHODS/
*OVARY, physiology/ *PREGNANEDIOL, urine

Isolated adrenal cells: assay of ACTH in rat serum.
Giordano ND, et al.

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*ADRENAL GLANDS, physiology/
ANESTHESIA/ ANIMAL EXPERIMENTS/
*BIOLOGICAL ASSAY/ *CORTICOSTERONE,
biosynthesis/ *CORTICOTROPIN, analysis/
HEMORRHAGE/ HYPOPHYSECTOMY/
METHODS/ RATS

[Bio-assay of the lactotropic hormone (LTH) and its
applicability in man] Berswordt-Wallrabe I vo, et al.
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ANIMAL EXPERIMENTS/ *BIOLOGICAL
ASSAY/ CATTLE/ CROP, AVIAN, cytology/
*CROP, AVIAN, pathology/ ENGLISH
ABSTRACT/ FEMALE/
HISTOCYTOCHEMISTRY/ HUMAN/
INFLAMMATION, prevention & control/
MALE/ METHODS/ PIGEONS/
*PREDNISOLONE, pharmacodynamics/
*PROLACTIN, analysis/ PROLACTIN, blood/
SKIN, cytology/ SKIN, physiopathology

[A method for the measurement of plasma renin
activity. I.] Nigawara K, et al.

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EXPERIMENTS/ BIOLOGICAL ASSAY/ EDTA,
pharmacodynamics/ ENGLISH ABSTRACT/
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METHODS/ RATS/ *RENIN, blood/ SWINE

[On human gonadotropins: extraction and biological
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ASSAY/ FEMALE/ *FSH, isolation &
purification/ FSH, urine/ *LH, isolation &
purification/ LH, urine/ MATHEMATICS/
METHODS/ PITUITARY DISEASES, urine/
RATS

BODY WEIGHT

Serum growth hormone levels in swine. Siers DG, et al.
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ADIPOSE TISSUE/ AGE FACTORS/
ANALYSIS OF VARIANCE/ ANIMAL
EXPERIMENTS/ BODY COMPOSITION/ BODY
WEIGHT/ CHARCOAL/ GROWTH/
HYPOPHYSECTOMY/ IMMUNE SERUMS/
IODINE ISOTOPES/ METHODS/
*RADIOIMMUNOASSAY/ *SOMATOTROPIN,
blood/ *SWINE

CENTRIFUGATION

Renin, renin substrate, and angiotensin I-converting
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ANGIOTENSIN/ ANIMAL EXPERIMENTS/
CENTRIFUGATION/ FUROSEMIDE,
pharmacodynamics/ ISOTONIC SOLUTIONS,
pharmacodynamics/ KIDNEY, physiology/
KIDNEY, secretion/ *LYMPH, analysis/
METHODS/ *PEPTIDE PEPTIDOHYDROLASES,
analysis/ PEPTIDE PEPTIDOHYDROLASES,
blood/ RATS/ *RENIN, analysis/ RENIN,
blood/ RENIN, secretion/ SODIUM CHLORIDE/
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Ammonium sulfate precipitation of conjugated
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AMMONIUM COMPOUNDS/
CENTRIFUGATION/ COLORIMETRY/
ESTRADIOL, urine/ ESTRIOL, urine/
*ESTROGENS, urine/ FEMALE/
FLUOROMETRY/ GLUCOSE/ HEAT/ HUMAN
HYDROGEN-ION CONCENTRATION/
MENSTRUATION/ METHODS/
PRECIPITATION/ PREGNANCY/ PREGNANCY
COMPLICATIONS, urine/ PREGNANCY IN
DIABETES, urine/ SULFATES/ TRITIUM

A method for the measurement of plasma renin in
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ADRENALECTOMY/ ANGIOTENSIN,
biosynthesis/ ANGIOTENSIN, blood/
ANGIOTENSINASE, antagonists & inhibitors/
ANIMAL EXPERIMENTS/ CENTRIFUGATION/
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NEPHRECTOMY/ RATS/ *RENIN, blood/
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*ADRENAL CORTEX HORMONES, analysis/
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*CHROMATOGRAPHY, GAS/
CORTICOTROPIN, diagnostic use/ FEMALE/
HUMAN/ 17-HYDROXYCORTICOSTEROIDS,
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CENTRAL NERVOUS SYSTEM, metabolism/
CHEMISTRY/ CHROMATOGRAPHY, THIN
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fluid/ DOPA, metabolism/ DOPA, therapeutic

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use/ EDTA/ FEMALE/ FERRICYANIDES/
FLUOROMETRY/ HUMAN/ INDICATORS AND
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AMINO ACID SEQUENCE/ ANIMAL
EXPERIMENTS/ CHEMISTRY/
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HYPOTHYROIDISM, diagnosis/ IODINE
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HYPOTHYROIDISM, blood/ IODINE
ISOTOPES, DIAGNOSTIC/ METHODS/
PROTEIN-BOUND IODINE TEST/
RADIOISOTOPE DILUTION TECHNIC/
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CHEMISTRY, CLINICAL/ DOPAMINE, urine/
ENGLISH ABSTRACT/ *EPINEPHRINE, urine/
HUMAN/ HYDROGEN-ION CONCENTRATION/
METHODS/ *NOREPINEPHRINE, urine/
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ADRENAL GLANDS, analysis/ ADRENAL
GLANDS, metabolism/ ALCOHOLS, isolation &
purification/ *ANDROGENS, biosynthesis/

ANIMAL EXPERIMENTS/ CAPROATES,
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CARCINOMA, metabolism/ CATTLE/
*CHOLESTEROL, metabolism/
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KETONES, chem synthesis/ MALE/
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OVARY, analysis/ OVARY, metabolism/ RATS/
TESTIS, metabolism/ TRITIUM

Studies on the partial isolation of human renin.
Waldhäusl WK, et al.

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ASSAY/ CALCIUM PHOSPHATES/ CATS/
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CHROMATOGRAPHY/ CHROMATOGRAPHY,
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KIDNEY, enzymology/ METHODS/
MOLECULAR WEIGHT/ PEPTIDES/
RADIOIMMUNOASSAY/ *RENIN, isolation &
purification/ RENIN, standards/ SWINE

Porcine luteinizing hormone and its subunits. Isolation
and characterization. Hennen G, et al.

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AMINO ACID SEQUENCE/ ANIMAL
EXPERIMENTS/ CHEMISTRY/
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In vitro assay of MSH using skin from the frog Hyla
arborea. Chadwick A, et al.

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ASSAY/ CHROMATOGRAPHY/
CHROMATOGRAPHY, ION EXCHANGE/
CORTICOTROPIN, analysis/ *FROGS,
physiology/ IN VITRO/ METHODS/
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HYPOCALCEMIA, blood/
HYPOPARATHYROIDISM, blood/ IMMUNE
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OSTEITIS DEFORMANS, blood/
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CHROMATOGRAPHY/ DIETHYLSTILBESTROL,
pharmacodynamics/ EDTA/ HYDROGEN-ION
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urine/ FEMALE/ HUMAN/
*HYDROCORTISONE, biosynthesis/
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HYDROCORTISONE, urine/ MALE/ METHODS/
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PITUITARY, isolation & purification/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PRECIPITATION/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
isolation & purification

Studies on the partial isolation of human renin.
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ASSAY/ CALCIUM PHOSPHATES/ CATS/
CELL MEMBRANE/ CELLULOSE/
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CONCENTRATION/ ISOELECTRIC FOCUSING/
KIDNEY, enzymology/ METHODS/
MOLECULAR WEIGHT/ PEPTIDES/
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blood/ HUMAN/ LH, blood/ MENSTRUATION/
METHODS/ OVULATION/ PREGNANCY/
*PROGESTERONE, blood/ *PROTEIN
BINDING/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ SPECTROPHOTOMETRY/
TIME FACTORS/ TRITIUM

The determination of adrenal steroids by gas
chromatography and its application to clinical
research. Menini E.

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17-KETOSTEROIDS, urine/ MALE/ METHODS/
PREGNANEDIOL, urine/ PREGNANES, urine/
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ETHER/ FEMALE/ HUMAN/ INDICATORS
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METHODS/ NUCLEAR MAGNETIC
RESONANCE/ *PREGNANCY/ SODIUM
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urine/ CHROMATOGRAPHY, GAS/ EDEMA,
drug therapy/ HUMAN/ LACTONES, blood/
LACTONES, urine/ MALE/ METHODS/
PROPIONATES, blood/ PROPIONATES, urine/
SPIRONOLACTONE, metabolism/
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METHODS/ MICROCHEMISTRY/
PREGNANCY/ *SPECTRUM ANALYSIS/
STEROLS, urine

Identification of cholesterol, 7-oxocholesterol,
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FEMALE/ METHODS/ OVARY, analysis/
*PREGNENOLONE, analysis/ PREGNENOLONE
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PROGESTERONE, blood

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RAYS/ METHODS/ *MOLLUSCA, analysis/
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*ESTRONE/ ESTRONE, blood/ FLUORINE/
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EXCHANGE

secretion of oxytocin and vasopressin in human urine.
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ASSAY/ CHROMATOGRAPHY, ION

EXCHANGE/ FEMALE/ HUMAN/

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VASOPRESSIN, isolation & purification/

*VASOPRESSIN, urine

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CELL MEMBRANE/ CELLULOSE/

CHROMATOGRAPHY/ CHROMATOGRAPHY,

DEAE-CELLULOSE/ CHROMATOGRAPHY, ION

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MOLECULAR WEIGHT/ PEPTIDES/

RADIOIMMUNOASSAY/ *RENIN, isolation &

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vitro assay of MSH using skin from the frog Hyla
arborea. Chadwick A, et al.

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ANIMAL EXPERIMENTS/ *BIOLOGICAL

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analysis/ TRITIUM

quantitative determination of

thyroid-hormone-iodine in blood serum by neutron

activation analysis] Schmöler G, et al.

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ACETONE/ ALCOHOL, METHYL/

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CHLOROFORM/ *CHROMATOGRAPHY, ION

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EXCHANGE RESINS/ METHODS/ SOLVENTS/

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& purification

CHROMATOGRAPHY, PAPER

sensitive method for the detection of adenine
nucleotides separated by paper or thin-layer

chromatography. Wright ME, et al.

Chromatogr 55:413-6, 3 Mar 71

ADENINE, analysis/ *ADENINE

NUCLEOTIDES, analysis/ ADENOSINE CYCLIC

*5'-PHOSPHATE, analysis/ ADENOSINE

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*HYPOXANTHINES, analysis/ INDICATORS

AND REAGENTS/ METHODS/ *NUCLEOSIDES,

analysis/ SOLVENTS/ VANILLIN

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PAPER/ ELECTROPHORESIS/ *ESTROGENS,

urine/ FEMALE/ GEL FILTRATION/

*GLYCOSIDES, urine/ HUMAN/ METHODS/

PREGNANCY/ *PREGNANCY/ SILICA/

SULFATES, urine/ TRITIUM

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THYROXINE/ *TRIiodOTHYRONINE, blood

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CHROMATOGRAPHY, THIN LAYER

Are C19 androgens formed by cleavage of a C8 fragment
from cholesterol? Hochberg RB, et al.

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ADRENAL GLAND NEOPLASMS, metabolism/

ADRENAL GLANDS, analysis/ ADRENAL

GLANDS, metabolism/ ALCOHOLS, isolation &

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ANIMAL EXPERIMENTS/ CAPROATES,

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CARCINOMA, metabolism/ CATTLE/

*CHOLESTEROL, metabolism/

CHROMATOGRAPHY/ CHROMATOGRAPHY,

THIN LAYER/ DEHYDROEPIANDROSTERONE,

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KETONES, chem synthesis/ MALE/

METHODS/ MITOCHONDRIA, metabolism/

OVARY, analysis/ OVARY, metabolism/ RATS/

TESTIS, metabolism/ TRITIUM

Simplified thin-layer chromatography of
prostaglandin in biological extracts. Willis AL.

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*CHROMATOGRAPHY, THIN LAYER/

METHODS/ *PROSTAGLANDINS, analysis

Quantitative determination of neutral steroid mono-
and disulphates in human urine. Jänne O.

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ADULT/ ANDROSTANES, urine/

ANDROSTERONE, urine/ CHROMATOGRAPHY,

GAS/ CHROMATOGRAPHY, THIN LAYER/

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PREGNANEDIOL, urine/ PREGNANES, urine/

PREGNANETRIOL, urine/ SPECTRUM

ANALYSIS/ *STERIODS, urine/ SULFURIC

ACIDS

Dopa and 3-O-methyldopa in cerebrospinal fluid of
Parkinsonism patients during treatment with oral

L-dopa. Sharpless NS, et al.

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ADMINISTRATION, ORAL/ AGED/

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AMMONIA/ BENZOATES, cerebrospinal fluid/
CENTRAL NERVOUS SYSTEM, metabolism/
CHEMISTRY/ CHROMATOGRAPHY, THIN
LAYER/ CYSTEINE/ *DOPA, cerebrospinal
fluid/ DOPA, metabolism/ DOPA, therapeutic
use/ EDTA/ FEMALE/ FERRICYANIDES/
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REAGENTS/ IODINE/ ION EXCHANGE
RESINS/ LACTATES, cerebrospinal fluid/
MALE/ METHODS/ *METHYLDOPA,
cerebrospinal fluid/ METHYLDOPA, chem
synthesis/ METHYLDOPA, metabolism/
MIDDLE AGE/ *PARKINSONISM,
cerebrospinal fluid/ PARKINSONISM, drug
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*ADRENAL GLANDS, blood supply/ ANIMAL
EXPERIMENTS/ *CHROMATOGRAPHY, THIN
LAYER/ *CORTICOSTERONE, blood/
*CORTICOSTERONE, isolation & purification/
METHODS/ RATS/ SPECTROPHOTOMETRY/
VEINS

A sensitive method for the detection of adenine
compounds separated by paper or thin-layer
chromatography. Wright ME, et al.

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*ADENINE, analysis/ *ADENINE
NUCLEOTIDES, analysis/ ADENOSINE CYCLIC
3',5'-PHOSPHATE, analysis/ ADENOSINE
TRIPHOSPHATE, analysis/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/ HEAT/
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analysis/ SOLVENTS/ VANILLIN

Measurement of pregnenolone in blood. Bermudez JA,
et al. Steroids 16:505-15, Nov 70

CHROMATOGRAPHY, THIN LAYER/
FEMALE/ HUMAN/ MALE/ METHODS/
*PREGNENOLONE, blood/ PROGESTERONE,
blood/ TRITIUM

Identification of cholesterol, 7-oxocholesterol,
pregnenolone, progesterone,
20-hydroxypregn-4-en-3-one epimers and
5-beta-nndrostane-3,17-dione in plasma and ovarian
tissue of the domestic fowl. Furr BJ, et al.

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*ANDROSTANES, analysis/ ANDROSTANES,
blood/ ANIMAL EXPERIMENTS/ CHICKENS/
*CHOLESTEROL, analysis/ CHOLESTEROL,
blood/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
FEMALE/ METHODS/ OVARY, analysis/
*PREGNENOLONE, analysis/ PREGNENOLONE,
blood/ *PROGESTERONE, analysis/
PROGESTERONE, blood

The use of silica gel impregnated glass fiber sheets in
plasma estriol assays. Goebelsmann U, et al.

Steroids 16:635-47, Dec 70

CHEMISTRY/ *CHROMATOGRAPHY, THIN
LAYER/ *ESTRIOL, blood/ FEMALE/ GELS/
GLASS/ HUMAN/ MALE/ METHODS/
PREGNANCY/ *SILICA

[Separation and identification of steroids with
progestative and estrogenic activity by means of thin
layer chromatography] Bellomonte G, et al.

Farmaco [Prat] 25:744-52, Dec 70 (Ita)

CHROMATOGRAPHY, THIN LAYER/
ENGLISH ABSTRACT/ ESTROGENS, analysis/
*ESTROGENS, isolation & purification/
METHODS/ PROGESTATIONAL HORMONES,
analysis/ *PROGESTATIONAL HORMONES,
isolation & purification

COLORIMETRY

Ammonium sulfate precipitation of conjugated
estrogens in pregnancy urine: rapid assay and glucose
effects. Pinkus GS, et al. Clin Chem 16:824-31, Oct 70

AMMONIUM COMPOUNDS/
CENTRIFUGATION/ COLORIMETRY/
ESTRADIOL, urine/ ESTRIOL, urine/
*ESTROGENS, urine/ FEMALE/
FLUOROMETRY/ GLUCOSE/ HEAT/ HUMAN/
HYDROGEN-ION CONCENTRATION/
MENSTRUATION/ METHODS/
PRECIPITATION/ PREGNANCY/ PREGNANCY
COMPLICATIONS, urine/ PREGNANCY IN
DIABETES, urine/ SULFATES/ TRITIUM

No interference from thyroxine methyl ester with T3
determination by Nauman, Nauman and Werner
method. Radichevich I, et al.

J Clin Endocrinol Metab 32:350-5, Mar 71

CHROMATOGRAPHY, PAPER/
COLORIMETRY/ ESTERS, blood/ HUMAN/
IODINE ISOTOPES/ METHODS/
THYROXINE/ *TRIODOXYRONE, blood

[Routine fluorometric determination of nonconjugated
corticosteroid substances in blood plasma] Bumba J,
et al. Vnitr Lek 17:182-6, Feb 71 (Cze)
COLORIMETRY/ *CORTICOSTERONE, blood/
ENGLISH ABSTRACT/ *FLUOROMETRY/
HUMAN/ *HYDROCORTISONE, blood/
METHODS

[Analysis of steroids. 3. Colorimetric assay of
thiomesterone] Koshimura E.

Bull Natl Inst Hyg Sci (Tokyo) 88:64-6, 1970 (Jap)

*ANDROSTANES, analysis/ COLORIMETRY/
ENGLISH ABSTRACT/ METHODS/ SULFIDES,
analysis

[Quantitative determination of
11-hydroxycorticosteroids in plasma by de Moor
method using Specol spectrophotometer and the
comparative evaluation of the quality of certain
reagents used in this method] Derech K, et al.

Endokrynol Pol 21:605-9, 1970 (Pol)

*ADRENAL CORTEX HORMONES, blood/
*COLORIMETRY/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*INDICATORS AND REAGENTS/ MALE/
METHODS

COMPARATIVE STUDY

Plasma progesterone and competitive protein binding
assay. Reeves BD, et al.

Am J Obstet Gynecol 109:775-86, 1 Mar 71 (15 ref.)

CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ FEMALE/ FLUOROMETRY/ FSH,
blood/ HUMAN/ LH, blood/ MENSTRUATION/
METHODS/ OVULATION/ PREGNANCY/
*PROGESTERONE, blood/ *PROTEIN
BINDING/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ SPECTROPHOTOMETRY/
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ACETATES/ *CHROMATOGRAPHY, GAS/
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ETHER/ FEMALE/ HUMAN/ INDICATORS
AND REAGENTS/ INFRARED RAYS/
METHODS/ NUCLEAR MAGNETIC
RESONANCE/ *PREGNANCY/ SODIUM
HYDROXIDE/ SOLVENTS/
SPECTROPHOTOMETRY/ SPECTRUM
ANALYSIS

Insulin immunoassay by back-titration; some
characteristics of the technic and the insulin
precipitant action of alcohol. Wright PH, et al.

Diabetes 20:33-45, Jan 71

*ALCOHOL, ETHYL, diagnostic use/
COMPARATIVE STUDY/ CORTICOTROPIN,
analysis/ GLUCOSE TOLERANCE TEST/
GUINEA PIGS/ HUMAN/ IMMUNE SERUMS/
*INSULIN, analysis/ INSULIN ANTIBODIES/
IODINE ISOTOPES, DIAGNOSTIC/ METHODS/
*PRECIPITATION/ *RADIOIMMUNOASSAY/
RATS/ SHEEP/ SOMATOTROPIN, analysis/
SPECIES SPECIFICITY/ THYROTROPIN,
analysis

METHOD SECTION

Development of a radioimmunoassay for rat prolactin and evaluation of the NIAMD rat prolactin radioimmunoassay. Neill JD, et al.

Endocrinology 88:548-55, Mar 71
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ASSAY/ COMPARATIVE STUDY/ CROP,
AVIAN, drug effects/ ESTRUS/ FSH, analysis/
HYPOPHYSECTOMY/ LH, analysis/
METHODS/ PIGEONS/ *PROLACTIN, blood/
PROLACTIN, isolation & purification/
RABBITS/ *RADIOIMMUNOASSAY/
RADIOIMMUNOASSAY, standards/ RATS/
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Comparison of a rapid new method of hemagglutination inhibition assay of HPL with micro-complement fixation and radioimmunoassay. Theppisai H, et al.
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AZO COMPOUNDS/ BIPHENYL COMPOUNDS/
COMPARATIVE STUDY/ *COMPLEMENT
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*HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ HYPERTENSION, blood/ METHODS/
*PLACENTAL HORMONES, blood/
PLACENTAL LACTOGEN, blood/
PREGNANCY/ PREGNANCY IN DIABETES,
blood/ PREGNANCY TOXEMIAS, blood/
*RADIOIMMUNOASSAY/ TWINS

A radioimmunoassay for plasma testosterone.
Furuyama S, et al. Steroids 16:415-23, Oct 70
CHROMATOGRAPHY, PAPER/ COMPARATIVE
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METHODS/ RABBITS/
RADIOIMMUNOASSAY/ *TESTOSTERONE,
blood/ TRITIUM

Total thyroxine in the serum (comparison of 3 methods) Herrmann J, et al.

Z Klin Chem Klin Biochem 8:605-10, Nov 70 (Ger)
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RESEARCH/ COMPARATIVE STUDY/
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HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IODINE
ISOTOPES, DIAGNOSTIC/ METHODS/
*PROTEIN-BOUND IODINE TEST/
*RADIOISOTOPE DILUTION TECHNIC/
*THYROXINE, blood/ THYROXINE-BINDING
PROTEIN, analysis

Quantitative determination of
11-hydroxycorticosteroids in plasma by de Moor
method using Specol spectrophotometer and the
comparative evaluation of the quality of certain
reagents used in this method] Derech K, et al.
Endokrynol Pol 21:605-9, 1970 (Pol)

*ADRENAL CORTEX HORMONES, blood/
*COLORIMETRY/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ FEMALE/ HUMAN/
*INDICATORS AND REAGENTS/ MALE/
METHODS

DENSITOMETRY, X-RAY

Radiodensitometry evaluation of the degree of
osteoporosis in the peripheral sector of the ulna in
elderly women] Zatoński E.

Chir Narzadow Ruchu Ortop Pol 35:781-6, 1970 (Pol)
AGE FACTORS/ AGED/ *DENSITOMETRY,
X-RAY/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ METHODS/ MIDDLE AGE/
*OSTEOPOROSIS, diagnosis/ SEX FACTORS/
*ULNA

DIAGNOSIS, DIFFERENTIAL

Renal function tested with tetracosactrin depot.
Galvão-Teles A, et al. Lancet 1:557-60, 20 Mar 71

ADDISON'S DISEASE, diagnosis/ ADRENAL
GLAND HYPOFUNCTION, diagnosis/
ADRENAL GLAND HYPOFUNCTION, etiology/
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physiopathology/ ADRENAL GLANDS,
physiopathology/ CORTICOTROPIN,
administration & dosage/ CORTICOTROPIN,
chem synthesis/ *CORTICOTROPIN, diagnostic
use/ DELAYED-ACTION PREPARATIONS/
DIAGNOSIS, DIFFERENTIAL/ HUMAN/

*HYDROCORTISONE, blood/
HYDROCORTISONE, urine/
HYPOPITUITARISM, complications/
HYPOPITUITARISM, diagnosis/
HYPOPITUITARISM, physiopathology/
INJECTIONS, INTRAMUSCULAR/ METHODS/
*PITUITARY-ADRENAL FUNCTION TESTS/
PREDNISONE, adverse effects/ TIME
FACTORS

[Plasma renin activity in patients with renovascular
hypertension] Serebrovskaja IuA, et al.

Kardiológia 10:87-95, 1970 (Rus)

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ENGLISH ABSTRACT/ FEMALE/ HUMAN/
HYPERTENSION, blood/ HYPERTENSION,
diagnosis/ *HYPERTENSION, RENAL, blood/
HYPERTENSION, RENAL, diagnosis/
HYPERTENSION, RENAL, etiology/ MALE/
METHODS/ POSTURE/ RENAL ARTERY
OBSTRUCTION, blood/ RENAL ARTERY
OBSTRUCTION, complications/ RENAL
ARTERY OBSTRUCTION, surgery/ *RENIN,
blood/ TIME FACTORS/ VEINS

DIALYSIS

INSTRUMENTATION

Measurement of "free" thyroxine in serum. Lee ND, et
al. Clin Chem 17:166-73, Mar 71

ADOLESCENCE/ ADULT/ AGED/ BUFFERS/
DIALYSIS, instrumentation/ FEMALE/
HUMAN/ HYDROGEN-ION CONCENTRATION/
IODINE ISOTOPES/ MALE/ METHODS/
MIDDLE AGE/ SERUM ALBUMIN/
TEMPERATURE/ *THYROXINE, blood/ TIME
FACTORS

ELECTROPHORESIS

Porcine luteinizing hormone and its subunits. Isolation
and characterization. Hennen G, et al.

Eur J Biochem 18:376-83, 1 Feb 71
AMINO ACID SEQUENCE/ ANIMAL
EXPERIMENTS/ CHEMISTRY/
CHROMATOGRAPHY/ ELECTROPHORESIS/
GEL FILTRATION/ *LH, isolation &
purification/ LYSINE/ METHODS/ *SWINE

Levels of N-acetylglucosaminides and
sulfo-N-acetylglucosaminides of
15-alpha-hydroxyestrone and
15-alpha-hydroxyestradiol in human late pregnancy
urine. Frey MJ, et al.

J Clin Endocrinol Metab 32:532-8, Apr 71
CARBON ISOTOPES/ CHROMATOGRAPHY,
PAPER/ ELECTROPHORESIS/ *ESTROGENS,
urine/ FEMALE/ GEL FILTRATION/
*GLYCOSIDES, urine/ HUMAN/ METHODS/
PREGNANCY/ *PREGNANCY/ SILICA/
SULFATES, urine/ TRITIUM

Radioimmunoassay of human parathyroid hormone in
serum. Arnaud CD, et al. J Clin Invest 50:21-34, Jan 71

ADENOMA, blood/ ADENOMA, immunology/
ANIMAL EXPERIMENTS/ ANTIBODY
FORMATION/ CALCIUM, blood/ CHARCOAL/
CHROMATOGRAPHY/ CIRCADIAN RHYTHM/
DEXTRAN/ ELECTROPHORESIS/ GUINEA
PIGS/ HUMAN/ HYPERCALCEMIA, blood/
HYPERPARATHYROIDISM, blood/
HYPOCALCEMIA, blood/
HYPOPARATHYROIDISM, blood/ IMMUNE
SERUMS/ IODINE ISOTOPES/ METHODS/
OSTEITIS DEFORMANS, blood/
*PARATHYROID HORMONE, blood/
PARATHYROID NEOPLASMS, blood/
PARATHYROID NEOPLASMS, immunology/
PROTEIN BINDING/ *RADIOIMMUNOASSAY

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CORTICOTROPIN, pharmacodynamics/
ELECTROPHORESIS/ ENGLISH ABSTRACT/
HUMAN/ IMMUNE SERUMS/ IODINE
ISOTOPES/ MALE/ METHODS/ PAPAIN,
pharmacodynamics/ *PEPTIDE

METHOD SECTION

PEPTIDOHYDROLASES, pharmacodynamics/
*RADIOIMMUNOASSAY/ *SOMATOTROPIN,
blood/ TEMPERATURE/ THYROTROPIN,
pharmacodynamics

ELECTROPHORESIS, DISK

Preparation of purified human growth hormone and a
crude human pituitary gonadotrophin. Trygstad O, et
al. *Acta Endocrinol (Kbh)* 66:478-90, Mar 71
CHROMATOGRAPHY, DEAE-CELLULOSE/
ELECTROPHORESIS, DISK/ GEL
FILTRATION/ *GONADOTROPINS,
PITUITARY, isolation & purification/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PRECIPITATION/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
isolation & purification

FLUOROMETRY

Plasma progesterone and competitive protein binding
assay. Reeves BD, et al.

Am J Obstet Gynecol 109:775-86, 1 Mar 71 (15 ref.)
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ FEMALE/ FLUOROMETRY/ FSH,
blood/ HUMAN/ LH, blood/ MENSTRUATION/
METHODS/ OVULATION/ PREGNANCY/
*PROGESTERONE, blood/ *PROTEIN
BINDING/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ SPECTROPHOTOMETRY/
TIME FACTORS/ TRITIUM

Ammonium sulfate precipitation of conjugated
estrogens in pregnancy urine: rapid assay and glucose
effects. Pinkus GS, et al. *Clin Chem* 16:824-31, Oct 70

AMMONIUM COMPOUNDS/
CENTRIFUGATION/ COLORIMETRY/
ESTRADIOL, urine/ ESTRIOL, urine/
*ESTROGENS, urine/ FEMALE/
FLUOROMETRY/ GLUCOSE/ HEAT/ HUMAN/
HYDROGEN-ION CONCENTRATION/
MENSTRUATION/ METHODS/
PRECIPITATION/ PREGNANCY/ PREGNANCY
COMPLICATIONS, urine/ PREGNANCY IN
DIABETES, urine/ SULFATES/ TRITIUM

Dopa and 3-O-methyldopa in cerebrospinal fluid of
Parkinsonism patients during treatment with oral
L-dopa. Sharpless NS, et al.

Clin Chim Acta 31:155-69, Jan 71
ADMINISTRATION, ORAL/ AGED/
AMMONIA/ BENZOATES, cerebrospinal fluid/
CENTRAL NERVOUS SYSTEM, metabolism/
CHEMISTRY/ CHROMATOGRAPHY, THIN
LAYER/ CYSTEINE/ *DOPA, cerebrospinal
fluid/ DOPA, metabolism/ DOPA, therapeutic
use/ EDTA/ FEMALE/ FERRICYANIDES/
FLUOROMETRY/ HUMAN/ INDICATORS AND
REAGENTS/ IODINE/ ION EXCHANGE
RESINS/ LACTATES, cerebrospinal fluid/
MALE/ METHODS/ *METHYLDOPA,
cerebrospinal fluid/ METHYLDOPA, chem
synthesis/ METHYLDOPA, metabolism/
MIDDLE AGE/ *PARKINSONISM,
cerebrospinal fluid/ PARKINSONISM, drug
therapy/ PARKINSONISM, metabolism/
POTASSIUM/ PYRUVATES, cerebrospinal fluid

A simple and reliable method for the determination of
oestriol in urine. Tenhaeff D, et al.

Clin Chim Acta 31:37-43, Jan 71
ADSORPTION/ ADULT/ CIRCADIAN
RHYTHM/ ESTRIOL, isolation & purification/
*ESTRIOL, urine/ FEMALE/ FLUOROMETRY/
GELS/ HUMAN/ HYDROCHLORIC ACID/
INDICATORS AND REAGENTS/ METHODS/
TRITIUM

A new fluorometric method for the determination of
aldosterone. Gödicke W, et al. *Steroids* 17:59-64, Jan 71
*ALDOSTERONE, analysis/ CORTICOSTERONE,
analysis/ *FLUOROMETRY/
HYDROCORTISONE, analysis/ METHODS

[Routine fluorometric determination of nonconjugated
corticosteroid substances in blood plasma] Bumba J,
et al. *Vnitř Lek* 17:182-8, Feb 71 (Cze)
COLORIMETRY/ *CORTICOSTERONE, blood/
ENGLISH ABSTRACT/ *FLUOROMETRY/

HUMAN/ *HYDROCORTISONE, blood/
METHODS

[Procedure for determining catecholamines by a
fluorometric method] Saperov VN, et al.
Vopr Med Khim 16:642-5, Nov-Dec 70 (Rus)

ADOLESCENCE/ ADULT/ ASTHMA,
complications/ *ASTHMA, metabolism/
*CATECHOLAMINES, analysis/ CHRONIC
DISEASE/ ENGLISH ABSTRACT/
EPINEPHRINE, blood/ EPINEPHRINE, urine/
*FLUOROMETRY/ HUMAN/ METHODS/
MIDDLE AGE/ NOREPINEPHRINE, blood/
NOREPINEPHRINE, urine/ PNEUMONIA,
complications/ *PNEUMONIA, metabolism

[Determination of blood cortisol levels by
spectrophotofluorometry (personal experience with
300 cases)] Valor Perea R, et al.

Med Trop (Madr) 46:288-95, Jan-Dec 70 (Spa)
FEMALE/ *FLUOROMETRY/ HUMAN/
*HYDROCORTISONE, blood/ MALE/
METHODS/ *SPECTROPHOTOMETRY

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Separation of estriol conjugates on Sephadex.
Tikkanen MJ, et al. *Acta Chem Scand* 24:3755-7, 1970

*CHROMATOGRAPHY/ *ESTRIOL, isolation &
purification/ ESTRIOL, urine/ *ESTROGENIC
SUBSTANCES, CONJUGATED, isolation &
purification/ ESTROGENIC SUBSTANCES,
CONJUGATED, urine/ *GEL FILTRATION/
HUMAN/ METHODS/ PREGNANCY

Preparation of purified human growth hormone and a
crude human pituitary gonadotrophin. Trygstad O, et
al. *Acta Endocrinol (Kbh)* 66:478-90, Mar 71

CHROMATOGRAPHY, DEAE-CELLULOSE/
ELECTROPHORESIS, DISK/ GEL
FILTRATION/ *GONADOTROPINS,
PITUITARY, isolation & purification/
HUMAN/ METHODS/ *PITUITARY GLAND,
analysis/ PRECIPITATION/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
isolation & purification

Studies on the partial isolation of human renin
Waldhäusl WK, et al.

Biochim Biophys Acta 221:536-48, 22 Dec 70
ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CALCIUM PHOSPHATES/ CATS/
CELL MEMBRANE/ CELLULOSE/
CHROMATOGRAPHY/ CHROMATOGRAPHY,
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CONCENTRATION/ ISOELECTRIC FOCUSING
KIDNEY, enzymology/ METHODS/
MOLECULAR WEIGHT/ PEPTIDES/
RADIOIMMUNOASSAY/ *RENIN, isolation &
purification/ RENIN, standards/ SWINE

Quantitative determination of neutral steroid mon
and disulphates in human urine. Jänne O.

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ADULT/ ANDROSTANES, urine/
ANDROSTERONE, urine/ CHROMATOGRAPHY
GAS/ CHROMATOGRAPHY, THIN LAYER/
DEHYDROEPIANDROSTERONE, analysis/
ETIOCHOLANOLONE, urine/ FEMALE/ GEL
FILTRATION/ HUMAN/
17-HYDROXYCORTICOSTEROIDS, analysis/
17-KETOSTEROIDS, urine/ MALE/ METHODS/
PREGNANEDIOL, urine/ PREGNANES, urine/
PREGNANETRIOL, urine/ SPECTRUM
ANALYSIS/ *STEROIDS, urine/ SULFURIC
ACIDS

The influence of sodium chloride on the gel filtration
oestrogens on Sephadex. Tilburg AM van, et
Clin Chim Acta 29:5-14, Jul 70

DEXTRAN/ ESTRIOL, urine/ *ESTROGENS,
urine/ FEMALE/ *GEL FILTRATION/ GEL
FILTRATION, instrumentation/ HUMAN/
METHODS/ OSMOLAR CONCENTRATION/
PREGNANCY/ *SODIUM CHLORIDE/
SOLUBILITY

A radioimmunoassay for vasopressin binding

METHOD SECTION

ION EXCHANGE

proteins--neurophysin. Cheng KW, et al.
Endocrinology 88:608-19, Mar 71
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 analysis/ CROSS REACTIONS/ DIOXINS/ GEL
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 HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
 analysis/ IODINE ISOTOPES/ METHODS/
 PEPTIDES, analysis/ *PITUITARY
 HORMONES, POSTERIOR, blood/ PROTEIN
 BINDING/ RABBITS/ *RADIOIMMUNOASSAY/
 SWINE

Porcine luteinizing hormone and its subunits. Isolation
 and characterization. Hennen G, et al.
Eur J Biochem 18:376-83, 1 Feb 71
 AMINO ACID SEQUENCE/ ANIMAL
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 purification/ LYSINE/ METHODS/ *SWINE

Evaluation of a simplified technique for the specific
 measurement of serum thyroxine concentration.
 Braverman LE, et al.
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 ALPHA GLOBULIN, analysis/ CHEMISTRY,
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 GEL FILTRATION/ HUMAN/
 HYPERTHYROIDISM, blood/
 HYPERTHYROIDISM, diagnosis/
 HYPOTHYROIDISM, diagnosis/ IODINE
 ISOTOPES, DIAGNOSTIC/ METHODS/
 MYXEDEMA, blood/ PROTEIN BINDING/
 *THYROXINE, blood/ THYROXINE-BINDING
 PROTEIN, analysis

Levels of N-acetylglucosaminides and
 sulfo-N-acetylglucosaminides of
 15-alpha-hydroxyestrone and
 15-alpha-hydroxyestradiol in human late pregnancy
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 PAPER/ ELECTROPHORESIS/ *ESTROGENS,
 urine/ FEMALE/ GEL FILTRATION/
 *GLYCOSIDES, urine/ HUMAN/ METHODS/
 PREGNANCY/ *PREGNANCY/ SILICA/
 SULFATES, urine/ TRITIUM

INSTRUMENTATION

The influence of sodium chloride on the gel filtration of
 oestrogens on Sephadex. Tilburg AM van, et al.
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 DEXTRAN/ ESTRADIOL, urine/ *ESTROGENS,
 urine/ FEMALE/ *GEL FILTRATION/ GEL
 FILTRATION, instrumentation/ HUMAN/
 METHODS/ OSMOLAR CONCENTRATION/
 PREGNANCY/ *SODIUM CHLORIDE/
 SOLUBILITY

HEMAGGLUTINATION INHIBITION TESTS

Comparison of a rapid new method of hemagglutination
 inhibition assay of HPL with micro-complement
 fixation and radioimmunoassay. Theppisal H, et al.
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 COMPARATIVE STUDY/ *COMPLEMENT
 FIXATION TESTS/ FEMALE/
 *HEMAGGLUTINATION INHIBITION TESTS/
 HUMAN/ HYPERTENSION, blood/ METHODS/
 *PLACENTAL HORMONES, blood/
 PLACENTAL LACTOGEN, blood/
 PREGNANCY/ PREGNANCY IN DIABETES,
 blood/ PREGNANCY TOXEMIAS, blood/
 *RADIOIMMUNOASSAY/ TWINS

["Quantitative" immunochemical determination of
 LH-activity in the urine of normal controls and of
 patients with pituitary tumors] Souvatzoglou A, et al.
Klin Wochenschr 49:215-9, 15 Feb 71 (Ger)
 ACROMEGALY, urine/ ADENOMA, urine/
 ADOLESCENCE/ ADULT/ AGED/
 CRANIOPHARYNGIOMA, urine/ ENGLISH
 ABSTRACT/ FEMALE/ HEMAGGLUTINATION
 INHIBITION TESTS/ HUMAN/

HYPOPHYSECTOMY/ *LH, urine/ MALE/
 METHODS/ MIDDLE AGE/ PINEALOMA,
 urine/ *PITUITARY NEOPLASMS, urine/
 TIME FACTORS

HISTOCYTOCHEMISTRY

[Bio-assay of the lactotropic hormone (LTH) and its
 applicability in man] Berswordt-Wallrabe I vo, et al.
Arch Gynaekol 209:380-95, 1971 (Ger)
 ANIMAL EXPERIMENTS/ *BIOLOGICAL
 ASSAY/ CATTLE/ CROP, AVIAN, cytology/
 *CROP, AVIAN, pathology/ ENGLISH
 ABSTRACT/ FEMALE/
 HISTOCYTOCHEMISTRY/ HUMAN/
 INFLAMMATION, prevention & control/
 MALE/ METHODS/ PIGEONS/
 *PREDNISOLONE, pharmacodynamics/
 *PROLACTIN, analysis/ PROLACTIN, blood/
 SKIN, cytology/ SKIN, physiopathology

ION EXCHANGE RESINS

Dopa and 3-O-methyldopa in cerebrospinal fluid of
 Parkinsonism patients during treatment with oral
 L-dopa. Sharpless NS, et al.
Clin Chim Acta 31:155-69, Jan 71
 ADMINISTRATION, ORAL/ AGED/
 AMMONIA/ BENZOATES, cerebrospinal fluid/
 CENTRAL NERVOUS SYSTEM, metabolism/
 CHEMISTRY/ CHROMATOGRAPHY, THIN
 LAYER/ CYSTEINE/ *DOPA, cerebrospinal
 fluid/ DOPA, metabolism/ DOPA, therapeutic
 use/ EDTA/ FEMALE/ FERRICYANIDES/
 FLUOROMETRY/ HUMAN/ INDICATORS AND
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 RESINS/ LACTATES, cerebrospinal fluid/
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 REAGENTS/ ION EXCHANGE RESINS/
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etiology/ *THYROXINE, blood/ THYROXINE,
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AND REAGENTS/ INFRARED RAYS/
METHODS/ NUCLEAR MAGNETIC
RESONANCE/ *PREGNANCY/ SODIUM
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FILTRATION/ *GONADOTROPINS,
PITUITARY, isolation & purification/
HUMAN/ METHODS/ *PITUITARY GLAND,
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FLUOROMETRY/ GLUCOSE/ HEAT/ HUMAN/
HYDROGEN-ION CONCENTRATION/
MENSTRUATION/ METHODS/
PRECIPITATION/ PREGNANCY/ PREGNANCY
COMPLICATIONS, urine/ PREGNANCY IN
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GUINEA PIGS/ HUMAN/ IMMUNE SERUMS/
*INSULIN, analysis/ INSULIN ANTIBODIES/
IODINE ISOTOPES, DIAGNOSTIC/ METHODS/
*PRECIPITATION/ *RADIOIMMUNOASSAY/
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METHODS/ OVULATION/ PREGNANCY/
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analysis/ CROSS REACTIONS/ DIOXINS/ GEL
FILTRATION/
HYPOTHALAMO-HYPOPHYSEAL SYSTEM,
analysis/ IODINE ISOTOPES/ METHODS/
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BINDING/ RABBITS/ *RADIOIMMUNOASSAY/
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SERUMS/ IODINE ISOTOPES/ METHODS/
OSTEITIS DEFORMANS, blood/
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BINDING/ TEMPERATURE/ *THYROXINE,
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CHROMATOGRAPHY/ CHROMATOGRAPHY,
DEAE-CELLULOSE/ CHROMATOGRAPHY, ION
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CONCENTRATION/ ISOELECTRIC FOCUSING/
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metabolism/ ANGIOTENSIN,
pharmacodynamics/ ANIMAL EXPERIMENTS/
ASCORBIC ACID, metabolism/ *BIOLOGICAL
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biosynthesis/ *CORTICOTROPIN,
pharmacodynamics/ GLUCAGON,
pharmacodynamics/ IN VITRO/ INSULIN,
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pharmacodynamics/ OXYTOCIN,
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blood/ INSULIN, secretion/ INSULIN
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WEIGHT/ CHARCOAL/ GROWTH/
HYPOPHYSECTOMY/ IMMUNE SERUMS/
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*HEMAGGLUTINATION INHIBITION TESTS/
HUMAN/ HYPERTENSION, blood/ METHODS/
*PLACENTAL HORMONES, blood/
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PREGNANCY/ PREGNANCY IN DIABETES,
blood/ PREGNANCY TOXEMIAS, blood/
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ADENOMA, blood/ ADENOMA, immunology/
ANIMAL EXPERIMENTS/ ANTIBODY
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*PARATHYROID HORMONE, blood/
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blood/ FASTING/ FEMALE/ GLUCAGON,
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HUMAN/ INFANT/ *INSULIN, blood/
INSULIN, isolation & purification/ IODINE

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blood/ TRITIUM

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EXPERIMENTS/ BLOOD SUGAR, analysis/
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drug therapy/ DIAPHRAGM, metabolism/
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MALE/ METHODS/ RADIOIMMUNOASSAY/
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HUMAN/ IMMUNE SERUMS/ IODINE
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pharmacodynamics/ *PEPTIDE
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blood/ TEMPERATURE/ THYROTROPIN,
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blood/ IODINE ISOTOPES/ MALE/ METHODS/
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METHODS/ *RADIOIMMUNOASSAY

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ANTIBODIES/ BORATES/ BUFFERS/
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PIGS/ HUMAN/ IMMUNE SERUMS/ IODINE
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ALBUMIN, BOVINE/ *SOMATOTROPIN,
analysis/ SUSPENSIONS

Development of a radioimmunoassay for rat prolactin and evaluation of the NIAMD rat prolactin radioimmunoassay. Neill JD, et al.

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ASSAY/ COMPARATIVE STUDY/ CROP,
AVIAN, drug effects/ ESTRUS/ FSH, analysis/
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RADIOISOTOPE DILUTION TECHNIC

Plasma progesterone and competitive protein binding
assay. Reeves BD, et al.
Am J Obstet Gynecol 109:775-86, 1 Mar 71 (15 ref.)
CHROMATOGRAPHY, GAS/ COMPARATIVE
STUDY/ FEMALE/ FLUOROMETRY/ FSH,
blood/ HUMAN/ LH, blood/ MENSTRUATION/
METHODS/ OVULATION/ PREGNANCY/
*PROGESTERONE, blood/ *PROTEIN
BINDING/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ SPECTROPHOTOMETRY/
TIME FACTORS/ TRITIUM

Total thyroxine in the serum (comparison of 3
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RESEARCH/ COMPARATIVE STUDY/
ENGLISH ABSTRACT/ HUMAN/
HYPERTHYROIDISM, blood/
HYPOTHYROIDISM, blood/ IODINE
ISOTOPES, DIAGNOSTIC/ METHODS/
*PROTEIN-BOUND IODINE TEST/
*RADIOISOTOPE DILUTION TECHNIC/
*THYROXINE, blood/ THYROXINE-BINDING
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SECRETORY RATE

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urine/ FEMALE/ HUMAN/
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HYDROCORTISONE, metabolism/
HYDROCORTISONE, urine/ MALE/ METHODS/
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RATE, drug effects/ THYROXINE, blood/
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SPECTROPHOTOMETRY

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assay. Reeves BD, et al.
Am J Obstet Gynecol 109:775-86, 1 Mar 71 (15 ref.)
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blood/ HUMAN/ LH, blood/ MENSTRUATION/
METHODS/ OVULATION/ PREGNANCY/
*PROGESTERONE, blood/ *PROTEIN
BINDING/ RADIOISOTOPE DILUTION
TECHNIC/ REVIEW/ SPECTROPHOTOMETRY/
TIME FACTORS/ TRITIUM

Estriol determination in pregnancy urine by gas
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ACETATES/ *CHROMATOGRAPHY, GAS/
COMPARATIVE STUDY/ DIMETHYL
SULFOXIDE/ *ESTRIOL, urine/ ETHYL
ETHER/ FEMALE/ HUMAN/ INDICATORS
AND REAGENTS/ INFRARED RAYS/
METHODS/ NUCLEAR MAGNETIC
RESONANCE/ *PREGNANCY/ SODIUM
HYDROXIDE/ SOLVENTS/
SPECTROPHOTOMETRY/ SPECTRUM
ANALYSIS

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ANALYSIS/ *STERIODS, urine/ SULFURIC
ACIDS

Estriol determination in pregnancy urine by gas
chromatography. Sanghvi A, et al.
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RESONANCE/ *PREGNANCY/ SODIUM
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ANALYSIS

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ENDOCRINOLOGY INDEX

ATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES

S. DEPARTMENT OF
EALTH, EDUCATION, AND WELFARE
blic Health Service
tional Institutes of Health

JULY-AUGUST, 1971
VOLUME 4, No. 4

EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are

numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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Use of funds for printing this publication
approved by the Director of the Bureau of
the Budget on October 7, 1968.

ENDOCRINOLOGY INDEX

National Institute of Arthritis
and Metabolic Diseases

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ACKNOWLEDGMENT

The *Endocrinology Index* was compiled with the cooperation and assistance of the staff of the National Library of Medicine. The citations were processed by the Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS) and were printed from film composed by Graphic Arts Composing Equipment (GRACE), MEDLARS' high-speed phototypesetter.

PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis and Metabolic Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

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PITUITARY GLAND,

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[Synthesis and capture of monoamines in median eminence nerve fibers: in vitro study in ducks using high resolution radioautography] Calas A, et al. C R Acad Sci [D] (Paris) 272:1890-2, 5 Apr 71 (Fre)

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In vitro uptake and breakdown of tritiated lysine-vasopressin by bovine neurohypophyseal and cortical tissue. Pliška V, et al. Acta Endocrinol (Kbh) 67:12-22, May 71

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Pure red cell aplasia and carcinoma. Mitchell AB, et al. Blood 37:594-7, May 71

SECRETION

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PITUITARY

11. Disorders of the Pituitary Gland

ACROMEGALY

Acromegaly and gigantism. Ramamurthi B.
Neurol India 18:Suppl 1:79-80, Dec 70

BLOOD

Urine excretion of insulin and growth hormone in subjects with renal failure. Lowy C, et al.
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The hypothalamus, brain-catecholamines, and drug therapy for gigantism and acromegaly. Sherman L, et al. Lancet 1:682-5, 3 Apr 71
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[Familial juvenile acromegalic syndrome accompanied by abnormal somatotropin metabolism] Conti C, et al. Folia Endocrinol (Roma) 23:241-51, Jun 70 (Ita)

METABOLISM

The hypothalamus, brain-catecholamines, and drug therapy for gigantism and acromegaly. Sherman L, et al. Lancet 1:682-5, 3 Apr 71
[Familial juvenile acromegalic syndrome accompanied by abnormal somatotropin metabolism] Conti C, et al. Folia Endocrinol (Roma) 23:241-51, Jun 70 (Ita)

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SURGERY

[Neurosurgical problems and criteria of therapeutic efficiency in acromegaly] Guiot G, et al.
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THERAPY

[Neurosurgical problems and criteria of therapeutic efficiency in acromegaly] Guiot G, et al.
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Urine excretion of insulin and growth hormone in subjects with renal failure. Lowy C, et al.
Acta Endocrinol (Kbh) 67:85-96, May 71

ADENOMA, CHROMOPHOBE

BLOOD

Utility of the radioimmunoassay of serum thyrotrophin in man. Hershman JM, et al.
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CHEMICALLY INDUCED

Carcinogenicity of industrial chemicals propylene imine and propane sultone. Ulland B, et al.
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Pituitary apoplexy in five patients with pituitary tumours. Epstein S, et al. Br Med J 2:267-70, 1 May 71
High incidence of cortical atrophy of the cerebral and cerebellar hemispheres in Cushing's disease. Momose KJ, et al. Radiology 99:341-8, May 71
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[Lactation and its disturbances] Seppälä M, et al.
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III. Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs

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V. Related Topics

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II. Disorders of the Adrenal Glands

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ADRENAL GLAND

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V. Adrenal Medulla

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11. Disorders of the Gonads

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[Protein fractions of benign and malignant cystomas] Mettler L, et al. *Z Geburtshilfe Gynaekol* 174:58-74, 1971 (Ger)

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GONADS

OVARIAN CYSTS

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Biological features of a transplantable Leydig cell tumor in rat. Ueda G, et al. Gann 62:41-8, Feb 71
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HYDROGESTERONE

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The metabolism of the synthetic progestational compound Ro 4-8347. Darragh A. *Bull Schweiz Akad Med Wiss* 25:337-48, Oct 70

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[Plasma 17-OHCS and 17-KS (including the urine content--how to read its figures] Iwai K, et al.
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PROGESTERONE

PHARMACODYNAMICS

Progesteroids as immunosuppressive agents. Munroe JS. *J Reticuloendothel Soc* 9:361-75, Apr 71 (22 ref.)

PROTEIN-BOUND IODINE TEST

[Triosorb and tetrasorb-how to read its figures] Ino S. *Jap J Clin Med* 29:Suppl:552-67, Jan 71 (74 ref.) (Jap)

PUBERTY

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METABOLISM

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COMPLICATIONS

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THYROXINE

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Jap J Clin Med 29:Suppl:552-67, Jan 71 (74 ref.) (Jap)

TRIIODOTHYRONINE

DIAGNOSTIC USE

[Triosorb and tetrasorb--how to read its figures] Ino S.
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METHOD

BIOLOGICAL ASSAY

The separation of monkey prolactin from monkey growth hormone by affinity chromatography. Guyda HJ, et al.

Biochem Biophys Res Commun 42:1068-75, 19 Mar 71

*ADSORPTION/ ANIMAL EXPERIMENTS/
ANTIBODIES/ BIOLOGICAL ASSAY/
*CHROMATOGRAPHY/ CROP, AVIAN, drug
effects/ GEL FILTRATION/ HUMAN/
METHODS/ MONKEYS/ PIGEONS/
*PITUITARY GLAND, analysis/ PLACENTAL
LACTOGEN/ *PROLACTIN, isolation &
purification/ PROLACTIN, pharmacodynamics/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
isolation & purification

Radioimmunoassay for rhesus monkey luteinizing hormone(LH) with anti-ovine LH serum and ovine LH-131-I. Niswender GD, et al.

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ANIMAL EXPERIMENTS/ BIOLOGICAL
ASSAY/ CASTRATION/ FEMALE/ FSH,
analysis/ GEL FILTRATION/
HYPOPHYSECTOMY/ *IMMUNE SERUMS/
IODINE ISOTOPES/ LH, analysis/ *LH, blood/
METHODS/ MONKEYS/ PITUITARY GLAND,
analysis/ *RADIOIMMUNOASSAY/ SHEEP/
THYROTROPIN, analysis

CENTRIFUGATION

Rapid and simple microscale separation of proteins after radiolodination. Ceska M, et al.

J Chromatogr 57:145-7, 22 Apr 71

CENTRIFUGATION/ CHROMATOGRAPHY,
ION EXCHANGE/ GAMMA GLOBULIN,
isolation & purification/ GEL FILTRATION/
HUMAN/ IODIDES/ *IODINE, isolation &
purification/ IODINE ISOTOPES/ IODINE
ISOTOPES, isolation & purification/
IODOPROTEINS, isolation & purification/
METHODS/ POTASSIUM/ *PROTEINS,
isolation & purification/ *SERUM ALBUMIN,
RADIO-IODINATED, isolation & purification/
SURFACE-ACTIVE AGENTS

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1-ethoxy-4-(dichloro-s-triazinyl)naphthalene: a fluorescent reagent for corticosteroids. Chayen R, et al. Anal Biochem 39:533-5, Feb 71

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ALCOHOLS/ CHEMISTRY/
CHROMATOGRAPHY, THIN LAYER/
ESTROGENS, analysis/ FLUORESCENCE/
*FLUORESCENT DYES/ FLUOROMETRY/
INDICATORS AND REAGENTS/ METHODS/
NAPHTHALENES/ *TRIAZINES/
ULTRAVIOLET RAYS

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[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyányi G, et al. Z Klin Chem Klin Biochem 9:117-22, Mar 71 (Ger)

CHEMISTRY, CLINICAL/
CHROMATOGRAPHY, PAPER/
DIODOTYROSINE, blood/ ENGLISH
ABSTRACT/ *GEL FILTRATION/ HUMAN/

HYPERTHYROIDISM, blood/ IODINE
ISOTOPES/ IODOTYROSINE, blood/
METHODS/ *THYROXINE, blood/
*THYROXINE, isolation & purification/
*TRIIODOTHYRONINE, blood/
*TRIIODOTHYRONINE, isolation & purification

CHROMATOGRAPHY

The separation of monkey prolactin from monkey growth hormone by affinity chromatography. Guyda HJ, et al.

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*ADSORPTION/ ANIMAL EXPERIMENTS/
ANTIBODIES/ BIOLOGICAL ASSAY/
*CHROMATOGRAPHY/ CROP, AVIAN, drug
effects/ GEL FILTRATION/ HUMAN/
METHODS/ MONKEYS/ PIGEONS/
*PITUITARY GLAND, analysis/ PLACENTAL
LACTOGEN/ *PROLACTIN, isolation &
purification/ PROLACTIN, pharmacodynamics/
RADIOIMMUNOASSAY/ *SOMATOTROPIN,
isolation & purification

Modified fluorometric method for determining plasma catecholamines. Sapira JD, et al.

Clin Chem 17:486-91, Jun 71

ALUMINUM/ CARBON ISOTOPES/
*CATECHOLAMINES, blood/
CHROMATOGRAPHY/ EPINEPHRINE, blood/
*FLUOROMETRY/ HUMAN/ INDICATORS
AND REAGENTS/ INDOLES/ METHODS/
NOREPINEPHRINE, blood/ TRITIUM

Capillary column chromatography of steroids: evaluation of stationary phases. Novotny M, et al.

J Chromatogr 56:353-6, 7 Apr 71

ANDROSTERONE, isolation & purification/
CAPILLARITY/ CHOLESTANES, isolation &
purification/ CHOLESTEROL, isolation &
purification/ CHROMATOGRAPHY/
ETIOCHOLANOLONE, isolation & purification/
METHODS/ *STERIODS, isolation &
purification

Determination of 17-ketosteroids and adrenocortical steroids by gradient elution chromatography on a silicic acid column. Lamontagne NS, et al.

Steroids 17:365-75, Mar 71

*ADRENAL CORTEX HORMONES, analysis/
CHROMATOGRAPHY/ *17-KETOSTEROIDS,
analysis/ METHODS/ SILICA

[Determination of free thyroxine in human serum] Chollet P, et al.

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CHROMATOGRAPHY/ DIALYSIS/ ENGLISH
ABSTRACT/ HUMAN/ *IODINE ISOTOPES/
MAGNESIUM/ METHODS/ PRECIPITATION/
*THYROXINE, blood

[Adenylcyclase activity during fetal and neonatal development of brown adipose tissue. Drawback and criticism of measurement methods] Counis R, et al. Bull Soc Chim Biol (Paris) 52:1393-405, 1970 (Fre)

*ADENINE NUCLEOTIDES, analysis/
ADENINE NUCLEOTIDES, isolation &
purification/ ADENOSINE TRIPHOSPHATE/
ADENYL CYCLASE, analysis/ ADENYL
CYCLASE, isolation & purification/ *ADIPOSE

METHOD SECTION

TISSUE, enzymology/ ANIMAL
EXPERIMENTS/ ANIMALS, NEWBORN/
BROWN FAT, enzymology/
CHROMATOGRAPHY/ ENGLISH ABSTRACT/
*ENZYMES, analysis/ FETUS/
GLUCOSYLTRANSFERASES, analysis/
METHODS/ PHOSPHORUS ISOTOPES/
RADIOIMMUNOASSAY/ RATS/ TRITIUM

[Amino acid composition of the hypothalamic hormone
controlling the secretion of LH-ICSH in guinea pigs.
New protocol of fast and non-contaminating
fractionation] Moschetto Y, et al.

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*AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY/
CHROMATOGRAPHY, PAPER/
ELECTROPHORESIS/ FLUORESCENCE/
GUINEA PIGS/ HYPOTHALAMUS, analysis/
LH, secretion/ METHODS/ PITUITARY
HORMONE RELEASING FACTORS, analysis/
*PITUITARY HORMONE RELEASING
FACTORS, isolation & purification

CHROMATOGRAPHY, GAS

Determination of urinary tetrahydro-11-deoxycortisol
and tetrahydro-11-deoxycorticosterone by gas
chromatography. Koepp P, et al.

Acta Endocrinol (Kbh) 66:758-68, Apr 71

*ADRENAL CORTEX HORMONES, urine/
ADRENAL GLAND DISEASES, urine/ ADULT/
CHILD/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
FEMALE/ HUMAN/ MALE/ METHODS/
METYRAPONE, pharmacodynamics/
PREGNANEDIOL, urine/ *PREGNANES, urine/
PREGNANETRIOL, urine

Radioimmunoassay for estrogens in human pregnancy
urine, plasma, and amniotic fluid. Gurpide E, et al.

Am J Obstet Gynecol 109:897-906, 15 Mar 71

AMMONIUM COMPOUNDS, diagnostic use/
*AMNIOTIC FLUID, analysis/
CHROMATOGRAPHY, GAS/ ESTRADIOL,
analysis/ ESTRIOL, analysis/ *ESTROGENS,
analysis/ ESTROGENS, blood/ ESTROGENS,
urine/ ESTRONE, analysis/ FEMALE/
GLUCURONATES, analysis/ HUMAN/ IMMUNE
SERUMS/ METHODS/ *PREGNANCY/
*RADIOIMMUNOASSAY/ SULFATES,
diagnostic use/ TRITIUM

Gas chromatographic analysis of N-acetyldopamine and
its potential metabolic precursors. Atkinson PW, et al.

Anal Biochem 40:236-9, Mar 71

ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, GAS/ CYPRINIDAE/
DOPA, analysis/ *DOPAMINE, analysis/ MASS
SPECTRUM ANALYSIS/ METHODS/
PHENYLALANINE, analysis/ QUINONES,
analysis/ SILICON/ TYRAMINE, analysis/
TYROSINE, analysis

Simple assay for urinary estrogens in nonpregnancy.

Chu TM, et al. Clin Chem 17:438-9, May 71

ADRENALECTOMY/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, ION EXCHANGE/
ESTRADIOL, urine/ ESTRIOL, urine/
ESTROGENS, analysis/ *ESTROGENS, urine/
ESTRONE, urine/ FEMALE/ HUMAN/
HYPOPHYSECTOMY/ MALE/ METHODS

N-butylboronate derivatives of the F prostaglandins.
Resolution of prostaglandins of the E and F series by
gas-liquid chromatography. Pace-Asciak C, et al.

J Chromatogr 56:129-33, 24 Mar 71

*BORON COMPOUNDS/ CHROMATOGRAPHY,
GAS/ MASS SPECTRUM ANALYSIS/
METHODS/ *PROSTAGLANDINS, isolation &
purification

Measurement of plasma testosterone as the
iodomethylidimethylsilyl ether by gas-liquid
chromatography. Thomas BS.

J Chromatogr 56:37-50, 24 Mar 71

ANDROSTANES, blood/ ANDROSTERONE,
blood/ CHROMATOGRAPHY, GAS/ ETHERS/
FEMALE/ HUMAN/ MALE/ METHODS/

PREGNANES, blood/ *TESTOSTERONE, blood/
TRITIUM

Urinary estrogens. I. Improved method for
quantitation of urinary estrogens. Touchstone JC, et al.

Steroids 17:285-304, Mar 71

CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, THIN LAYER/
*ESTRADIOL, urine/ *ESTRIOL, urine/
*ESTRONE, urine/ HUMAN/ HYDROLYSIS/
METHODS/ TRITIUM

CHROMATOGRAPHY, ION EXCHANGE

Radioisotope derivative procedure for determination
of epinephrine or norepinephrine. Blaedel WJ, et al.

Anal Chem 43:521-9, Apr 71

CHROMATOGRAPHY, ION EXCHANGE/
EPINEPHRINE, analysis/ *EPINEPHRINE,
urine/ HUMAN/ IODINE ISOTOPES,
DIAGNOSTIC/ METHODS/ NOREPINEPHRINE,
analysis/ *NOREPINEPHRINE, urine

Simple assay for urinary estrogens in nonpregnancy.

Chu TM, et al. Clin Chem 17:438-9, May 71

ADRENALECTOMY/ CHROMATOGRAPHY,
GAS/ CHROMATOGRAPHY, ION EXCHANGE/
ESTRADIOL, urine/ ESTRIOL, urine/
ESTROGENS, analysis/ *ESTROGENS, urine/
ESTRONE, urine/ FEMALE/ HUMAN/
HYPOPHYSECTOMY/ MALE/ METHODS

Radioimmunoassay of urinary antidiuretic hormone
with application to study of the Brattleboro rat. Miller
M, et al. Endocrinology 88:1389-96, Jun 71

ANIMAL EXPERIMENTS/
CHROMATOGRAPHY, ION EXCHANGE/
DIABETES INSIPIDUS, familial & genetic/
*DIABETES INSIPIDUS, urine/
HETEROZYGOSE/ HOMOZYGOSE/ IODINE
ISOTOPES/ METHODS/ OSMOLAR
CONCENTRATION/ PITUITARY GLAND,
physiopathology/ *RADIOIMMUNOASSAY/
*RATS, physiology/ RODENT DISEASES,
physiopathology/ *RODENT DISEASES, urine/
URINE/ VASOPRESSIN, secretion/
*VASOPRESSIN, urine/ WATER
DEPRIVATION

Rapid and simple microscale separation of proteins
after radioiodination. Ceska M, et al.

J Chromatogr 57:145-7, 22 Apr 71

CENTRIFUGATION/ CHROMATOGRAPHY,
ION EXCHANGE/ GAMMA GLOBULIN,
isolation & purification/ GEL FILTRATION/
HUMAN/ IODIDES/ *IODINE, isolation &
purification/ IODINE ISOTOPES/ IODINE
ISOTOPES, isolation & purification/
IODOPROTEINS, isolation & purification/
METHODS/ POTASSIUM/ *PROTEINS,
isolation & purification/ *SERUM ALBUMIN,
RADIO-IODINATED, isolation & purification/
SURFACE-ACTIVE AGENTS

[Direct quantitative evaluation of thin-layer
chromatograms by remission- and fluorescence
measurement. 6. Determination of adrenaline,
noradrenaline and dopamine from urine] Geissler HE,
et al. J Chromatogr 56:271-9, 7 Apr 71 (Ger)

CHROMATOGRAPHY, ION EXCHANGE/
CHROMATOGRAPHY, THIN LAYER/
*DOPAMINE, urine/ ENGLISH ABSTRACT/
*EPINEPHRINE, urine/ FLUORESCENCE/
METHODS/ *NOREPINEPHRINE, urine/
SPECTROPHOTOMETRY

[A method for the measurement of plasma renin
activity. II] Nigahara K, et al.

Jap J Urol 62:298-307, Apr 71

ADOLESCENCE/ ADULT/ AGED/ ALCOHOL,
ETHYL/ ALCOHOL, PROPYL/ ALCOHOLS/
*ANGIOTENSIN, isolation & purification/
CHILD/ CHROMATOGRAPHY, ION
EXCHANGE/ ENGLISH ABSTRACT/ FEMALE/
HUMAN/ MALE/ METHODS/ MIDDLE AGE/
*RENIN, blood/ WATER

METHOD SECTION

CHROMATOGRAPHY, PAPER

Determination of urinary tetrahydro-11-deoxycortisol and tetrahydro-11-deoxycorticosterone by gas chromatography. Koepf P, et al.

Acta Endocrinol (Kbh) 66:756-68, Apr 71

*ADRENAL CORTEX HORMONES, urine/
ADRENAL GLAND DISEASES, urine/ ADULT/
CHILD/ CHROMATOGRAPHY, GAS/
CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
FEMALE/ HUMAN/ MALE/ METHODS/
METYRAPONE, pharmacodynamics/
PREGNANEDIOL, urine/ *PREGNANES, urine/
PREGNANETRIOL, urine

Absence of triiodothyronine formation from thyroxine during the determination of the triiodothyronine concentration of human serum. Row VV, et al.

Clin Chim Acta 31:473-6, Feb 71

ALCOHOL, METHYL/ CHROMATOGRAPHY,
PAPER/ HUMAN/ HYDROGEN-ION
CONCENTRATION/ IODINE ISOTOPES/
METHODS/ *THYROXINE, metabolism/
*TRIIODOTHYRONINE, biosynthesis/
*TRIIODOTHYRONINE, blood

Separation of unbound iodide in 125-I-labeled antipyrine. Yipintsoi T, et al.

J Nucl Med 12:149-52, Apr 71

ANTIPYRINE/ CHROMATOGRAPHY, PAPER/
CHROMATOGRAPHY, THIN LAYER/
ELECTROPHORESIS/ INDICATOR DILUTION
TECHNICS/ *IODINE, isolation & purification/
IODINE ISOTOPES, DIAGNOSTIC/ METHODS/
WATER

[Amino acid composition of the hypothalamic hormone controlling the secretion of LH-ICSH in guinea pigs. New protocol of fast and non-contaminating fractionation] Moschetto Y, et al.

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*AMINO ACIDS, analysis/ ANIMAL
EXPERIMENTS/ CHROMATOGRAPHY/
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ELECTROPHORESIS/ FLUORESCENCE/
GUINEA PIGS/ HYPOTHALAMUS, analysis/
LH, secretion/ METHODS/ PITUITARY
HORMONE RELEASING FACTORS, analysis/
*PITUITARY HORMONE RELEASING
FACTORS, isolation & purification

[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyányi G, et al.

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ABSTRACT/ *GEL FILTRATION/ HUMAN/
HYPERTHYROIDISM, blood/ IODINE
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*THYROXINE, isolation & purification/
*TRIIODOTHYRONINE, blood/
*TRIIODOTHYRONINE, isolation & purification

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Determination of urinary tetrahydro-11-deoxycortisol and tetrahydro-11-deoxycorticosterone by gas chromatography. Koepf P, et al.

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*ADRENAL CORTEX HORMONES, urine/
ADRENAL GLAND DISEASES, urine/ ADULT/
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PREGNANETRIOL, urine

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PRESCHOOL/ *CHROMATOGRAPHY, THIN
LAYER/ CUSHING'S SYNDROME, urine/
ENDOCRINE DISEASES, urine/ FEMALE/

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MENSTRUATION/ METHODS/ OBESITY,
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1-ethoxy-4-(dichloro-s-triazinyl)naphthalene: a fluorescent reagent for corticosteroids. Chayen R, et al.

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*ADRENAL CORTEX HORMONES, analysis/
ALCOHOLS/ CHEMISTRY/
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ESTROGENS, analysis/ FLUORESCENCE/
*FLUORESCENT DYES/ FLUOROMETRY/
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A rapid and sensitive assay for plasma testosterone in adults and children. Winter JS, et al.

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ADOLESCENCE/ ADULT/ AMMONIUM
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METHODS/ PREGNANCY/ *PROTEIN
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*TESTOSTERONE, blood/ TESTOSTERONE,
isolation & purification/ TRITIUM

Quantitative aspects of spectrodensitometry of thin layer chromatograms. Touchstone JC, et al.

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*CHROMATOGRAPHY, THIN LAYER/
DENSITOMETRY/ ESTROGENS, analysis/
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SPECTRUM ANALYSIS/ *STEROIDS, analysis

Separation of unbound iodide in 125-I-labeled antipyrine. Yipintsoi T, et al.

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ANTIPYRINE/ CHROMATOGRAPHY, PAPER/
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*ESTRADIOL, urine/ *ESTRIOL, urine/
*ESTRONE, urine/ HUMAN/ HYDROLYSIS/
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*DIODOTYROSINE, isolation & purification/
INDICATORS AND REAGENTS/ METHODS/
*POTASSIUM IODIDE, isolation & purification/
*THYROXINE, isolation & purification/
*TYROSINE, isolation & purification

[Direct quantitative evaluation of thin-layer chromatograms by remission- and fluorescence measurement. 6. Determination of adrenaline, noradrenaline and dopamine from urine] Geissler HE, et al.

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CHROMATOGRAPHY, THIN LAYER/
*DOPAMINE, urine/ ENGLISH ABSTRACT/
*EPINEPHRINE, urine/ FLUORESCENCE/
METHODS/ *NOREPINEPHRINE, urine/
SPECTROPHOTOMETRY

[Use of thin-layer chromatography for determining aldosterone in human urine] Chelnakova IS, et al. *Vopr Med Khim* 17:88-93, Jan-Feb 71 (Rus) ADULT/ *ALDOSTERONE, urine/ *CHROMATOGRAPHY, THIN LAYER/ ENGLISH ABSTRACT/ FEMALE/ HUMAN/ MALE/ METHODS/ MIDDLE AGE

COMPARATIVE STUDY

Alcohol precipitation technique in radioimmunoassay for luteinizing and follicle-stimulating hormones. Kazeto S, et al.

Am J Obstet Gynecol 109:952-7, 15 Mar 71
*ALCOHOL, ETHYL, diagnostic use/
COMPARATIVE STUDY/ FEMALE/ *FSH, urine/ HUMAN/ IMMUNOCHEMISTRY/ *LH, urine/ METHODS/ *PRECIPITATION/
PRECIPITIN TESTS/ *RADIOIMMUNOASSAY/
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Urinary estrogen determination in pregnancy. Howarth AT, et al. *Clin Chem* 17:316-20, Apr 71

COMPARATIVE STUDY/ *ESTRIOL, urine/
FEMALE/ FLUOROMETRY/ GLUCOSE, urine/
HUMAN/ HYDROQUINONES/ METHODS/
NITROPHENOLS/ PREGNANCY/ PREGNANCY
COMPLICATIONS, urine/ TIME FACTORS

Measurement of corticosteroids in reptilian and avian plasma by fluorometry and by competitive protein-binding radioassay. Bradshaw SD, et al. *Comp Biochem Physiol* 36:37-48, 1 Sep 70

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ISOTOPES/ COMPARATIVE STUDY/ DOGS/
FLUOROMETRY/ *LIZARDS/ MALE/
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Quantitative aspects of spectrodensitometry of thin layer chromatograms. Touchstone JC, et al. *Anal Chem* 43:858-63, Jun 71

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[Determination of free thyroxine in human serum] Chollet P, et al. *Ann Endocrinol (Paris)* 31:913-25, Sep-Oct 70 (Fre)

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*THYROXINE, blood

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Fluorometric method for quantitatively estimating urinary dihydroxyphenylethylamine (dopamine), dihydroxyphenylalanine (dopa), and dihydroxyphenylacetic acid (dopac). Eichhorn F, et al. *Clin Chem* 17:296-300, Apr 71

ALUMINUM/ BONE NEOPLASMS, urine/
DOPA, metabolism/ *DOPA, urine/
*DOPAMINE, urine/ ELECTROPHORESIS/
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NEOPLASM METASTASIS/

NEUROBLASTOMA, urine/ OXIDES/ PAPER/
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PARKINSONISM, urine/ *PHENYLACETATES,
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Separation of unbound iodide in 125-I-labeled antipyrine. Yipintsoi T, et al. *J Nucl Med* 12:149-52, Apr 71

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TECHNIQUES/ *IODINE, isolation & purification/
IODINE ISOTOPES, DIAGNOSTIC/ METHODS/
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GUINEA PIGS/ HYPOTHALAMUS, analysis/
LH, secretion/ METHODS/ PITUITARY
HORMONE RELEASING FACTORS, analysis/
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*PROLACTIN, analysis/ *SOMATOTROPIN,
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1-ethoxy-4-(dichloro-s-triazinyl)naphthalene: a fluorescent reagent for corticosteroids. Chayen R, et al. *Anal Biochem* 39:533-5, Feb 71

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*FLUORESCENT DYES/ FLUOROMETRY/
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FACTORS, isolation & purification

[Direct quantitative evaluation of thin-layer chromatograms by remission- and fluorescence measurement. 6. Determination of adrenaline, noradrenaline and dopamine from urine] Geissler HE, et al. *J Chromatogr* 56:271-9, 7 Apr 71 (Ger)

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*DOPAMINE, urine/ ENGLISH ABSTRACT/
*EPINEPHRINE, urine/ FLUORESCENCE/
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*ADRENAL CORTEX HORMONES, analysis/

METHOD SECTION

ALCOHOLS/ CHEMISTRY/
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ESTROGENS, analysis/ FLUORESCENCE/
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Fluorometric method for quantitatively estimating urinary dihydroxyphenylethylamine (dopamine), dihydroxyphenylalanine (dopa), and dihydroxyphenylacetic acid (dopac). Elchhorn F, et al. *Clin Chem* 17:296-300, Apr 71
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*DOPAMINE, urine/ ELECTROPHORESIS/
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Urinary estrogen determination in pregnancy. Howarth AT, et al. *Clin Chem* 17:316-20, Apr 71
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FEMALE/ FLUOROMETRY/ GLUCOSE, urine/
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*CATECHOLAMINES, blood/
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*FLUOROMETRY/ HUMAN/ INDICATORS
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NOREPINEPHRINE, blood/ TRITIUM

Measurement of corticosteroids in reptilian and avian plasma by fluorometry and by competitive protein-binding radioassay. Bradshaw SD, et al. *Comp Biochem Physiol* 36:37-48, 1 Sep 70
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METHODS/ *PIGEONS/
SPECTROPHOTOMETRY/ TRANSCORTIN/
TRITIUM

[Studies on adsorption and purification of free estrogenic steroids with Sephadex G 25-fine] Horst HJ.

Zentralbl Veterinärmed [A] 18:93-103, Mar 71 (Ger)
ADSORPTION/ ANIMAL EXPERIMENTS/
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*ESTROGENS, urine/ FLUOROMETRY/ *GEL
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GEL FILTRATION

The separation of monkey prolactin from monkey growth hormone by affinity chromatography. Guyda HJ, et al.

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*ADSORPTION/ ANIMAL EXPERIMENTS/
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*CHROMATOGRAPHY/ CROP, AVIAN, drug
effects/ GEL FILTRATION/ HUMAN/
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*PITUITARY GLAND, analysis/ PLACENTAL
LACTOGEN/ *PROLACTIN, isolation &
purification/ PROLACTIN, pharmacodynamics/

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analysis/ GEL FILTRATION/
HYPOPHYSECTOMY/ *IMMUNE SERUMS/
IODINE ISOTOPES/ LH, analysis/ *LH, blood/
METHODS/ MONKEYS/ PITUITARY GLAND,
analysis/ *RADIOIMMUNOASSAY/ SHEEP/
THYROTROPIN, analysis

Rapid and simple microscale separation of proteins after radiolodination. Ceska M, et al.

J Chromatogr 57:145-7, 22 Apr 71
CENTRIFUGATION/ CHROMATOGRAPHY,
ION EXCHANGE/ GAMMA GLOBULIN,
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[Separation of labelled triiodothyronine and thyroxine, using the gel filtration method] Gyertyányfi G, et al.
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CHEMISTRY, CLINICAL/
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DIIODOTYROSINE, blood/ ENGLISH
ABSTRACT/ *GEL FILTRATION/ HUMAN/
HYPERTHYROIDISM, blood/ IODINE
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*THYROXINE, isolation & purification/
*TRIIODOTHYRONINE, blood/
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[Studies on adsorption and purification of free estrogenic steroids with Sephadex G 25-fine] Horst HJ.

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*ESTROGENS, urine/ FLUOROMETRY/ *GEL
FILTRATION/ METHODS/ PHOTOMETRY/
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[Simplified technic of lyophilization and of detection of tissue catecholamines in histology] Roudier D, et al. *C R Soc Biol (Paris)* 164:1191-4, 1970 (Fre)
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[Histochemical studies on the adrenal system of the brook lamprey (Lampetra planari Bloch)] Sella R, et al. *Acta Biol Med Ger* 24:K11-7, 1970 (Ger)
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analysis/ CATECHOLAMINES, metabolism/
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*CYCLOSTOMES, metabolism/
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IMMUNOCHEMISTRY

Alcohol precipitation technique in radioimmunoassay for luteinizing and follicle-stimulating hormones. Kazeto S, et al.

Am J Obstet Gynecol 109:952-7, 15 Mar 71
*ALCOHOL, ETHYL, diagnostic use/
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INDICATOR DILUTION TECHNIQS

Separation of unbound iodide in 125-I-labeled antipyrine. Yipintol T, et al.

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ANTIPYRINE/ CHROMATOGRAPHY, PAPER/
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Gas chromatographic analysis of N-acetyldopamine and its potential metabolic precursors. Atkinson PW, et al. Anal Biochem 40:236-9, Mar 71

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CHROMATOGRAPHY, GAS/ CYPRINIDAE/
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SPECTRUM ANALYSIS/ METHODS/
PHENYLALANINE, analysis/ QUINONES,
analysis/ SILICON/ TYRAMINE, analysis/
TYROSINE, analysis

N-butylboronate derivatives of the F prostaglandins. Resolution of prostaglandins of the E and F series by gas-liquid chromatography. Pace-Asciak C, et al. J Chromatogr 56:129-33, 24 Mar 71

*BORON COMPOUNDS/ CHROMATOGRAPHY,
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A rapid, simplified procedure for simultaneous assay of norepinephrine, dopamine, and 5-hydroxytryptamine from discrete brain areas. Shellenberger MK, et al. Anal Biochem 39:356-72, Feb 71

ALUMINUM/ ANIMAL EXPERIMENTS/
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analysis/ CEREBRAL CORTEX, analysis/
*DOPAMINE, analysis/ HYDROGEN-ION
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REAGENTS/ MEDULLA OBLONGATA,
analysis/ METHODS/ MICROCHEMISTRY/
*NOREPINEPHRINE, analysis/
OXIDATION-REDUCTION/ OXIDES/ PONS,
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Measurement of cyclic 3',5'-denosine monophosphate by the activation of skeletal muscle protein kinase. Wastila WB, et al. J Biol Chem 246:1996-2003, 10 Apr 71

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analysis/ ADENOSINE TRIPHOSPHATE/
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pharmacodynamics/ PHOSPHORUS ISOTOPES/
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DEXTRAN/ HUMAN/ IODINE ISOTOPES/
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analysis/ ADIPOSE TISSUE, analysis/
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[Comparison, in 2 races of rats, of 2 methods of determination of folliculostimulin] Roos M, et al. C R Soc Biol (Paris) 164:1349-56, 1970 (Fre)

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pharmacodynamics/ METHODS/ ORGAN
WEIGHT/ *OVARY, analysis/ OVARY, drug
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PHOTOMETRY

[Studies on adsorption and purification of free estrogenic steroids with Sephadex G 25-fine] Horst HJ.

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CATTLE/ ELECTROLYTES/ ESTRADIOL,
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*ESTROGENS, urine/ FLUOROMETRY/ *GEL
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DEHYDROGENASE, blood/ METHODS/
OUABAIN/ *PREGNENOLONE, blood/
*PROGESTERONE, blood/ PROTEIN BINDING/
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blood/ ENDOCRINE DISEASES, blood/
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pharmacodynamics/ HUMAN/
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SERUMS/ INJECTIONS, INTRAVENOUS/
IODINE ISOTOPES/ METHODS/
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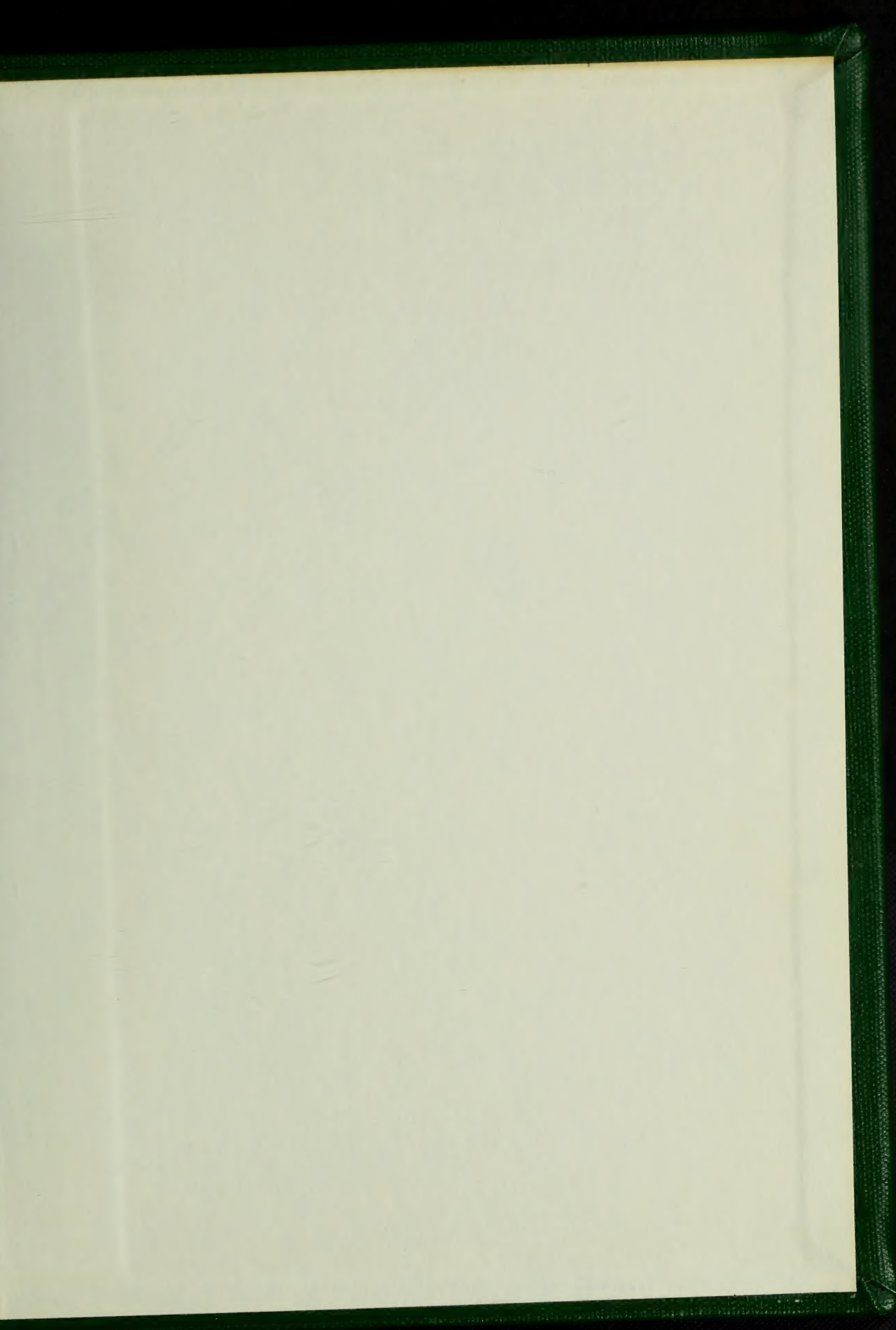
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